

RCx Economic Summary to Date, Oct 2012										
Building	Time Period of RCx Visit	RCx Follow Up Complete	Annual Cost Avoidance Time Period	Building Area (GSF)	% Energy Avoided	Actual Energy Avoided (MMBTU)	Projected Avoided Utility Cost per Year *	Current Avoided Utility Costs * (Green indicates 1st full year)	Cumulative Avoided Utility Cost since RCx	
									Energy (MMBTU)	Cost Avoidance *
National Soybean Research Cente	Aug 07-Sep 07	Nov 07	Sep 07-Aug 08	98,854	18.5%	6,939	\$65,000	\$57,622	27,525	\$234,462
Krannert Center for Performing Arts	Oct 07-Dec 07	Mar 08	Nov 07-Oct 08	298,293	36.5%	31,642	\$375,000	\$306,110	147,183	\$1,464,391
Newmark Civil Engineering Building	Jan 08-Feb 08	Jun 08	Feb 08-Jan 09	183,931	28.6%	14,871	\$150,000	\$227,986	32,264	\$497,189
Turner Hall	Mar 08-Apr 08	Jan 09	Apr 08-Mar 09	180,002	10.1%	5,798	\$200,000	\$41,711	51,582	\$406,127
ACES Library Info. & Alumni Center	May 08-Jun 08	Jul 08	Jun 08-May 09	82,742	41.6%	13,562	\$75,000	\$110,543	53,684	\$440,511
FY08Totals				843,822		72,811	\$865,000	\$743,973		
Music Building	Jul 08-Aug 08	Sep 08	Aug 08-Jul 09	105,343	25.4%	7,728	\$95,000	\$61,079	30,801	\$240,501
Mechanical Engineering Laboratory	Sep 08-Oct 08	Apr 09	Oct 08-Sep 09	151,859	35.9%	16,485	\$150,000	\$135,954	84,816	\$648,691
Animal Sciences Laboratory	Nov 08-Jan 09	May 09	Dec 08-Nov 09	149,211	25.7%	8,186	\$100,000	\$70,950	27,391	\$212,039
Chemical & Life Sciences Laboratory	Feb 09-May 09	May 09	Mar 09-Feb 10	231,315	18.3%	18,838	\$350,000	\$193,694	16,690	\$219,682
Madigan Laboratory Edward R	Feb 09-May 09	Jul 09	Mar 09-Feb 10	171,007	28.2%	26,568	\$300,000	\$238,291	89,195	\$773,940
Wohlers Hall	May 09-Aug 09	Aug 09	May 09-Apr 10	99,550	44.7%	16,285	\$175,000	\$131,142	58,652	\$475,130
Loomis Laboratory of Physics	Jun 09-Jul 09	Oct 09	Jun 09-May 10	175,513	20.2%	11,098	\$175,000	\$94,481	36,240	\$277,833
FY09Totals				1,083,798		105,187	\$1,345,000	\$925,590		
Psychology Laboratory	Sep 09-Nov 09	Jul 10	Sep 09-Aug 10	152,725	26.3%	14,599	\$200,000	\$132,827	66,225	\$581,659
Siebel Center for Computer Science	Aug 09-Dec 09	May 10	Sep 09-Aug 10	266,825	43.3%	36,228	\$300,000	\$322,727	112,808	\$957,469
Bevier Hall	Dec 09-Feb 10	May 10	Dec 09-Nov 10	156,770	17.7%	7,275	\$140,000	\$62,619	27,937	\$243,906
Coordinated Science Laboratory	Jan 10-Apr 10	May 10	Feb 10-Jan 11	124,007	35.4%	18,944	\$150,000	\$153,209	53,749	\$431,661
Illini Union Bookstore	Apr 10-Jun 10	Oct 10	Apr 10-Mar 11	96,407	25.9%	4,631	\$110,000	\$42,978	16,447	\$155,362
Nat Center for Supercomp Appl	May 10-Jun 10	Sep 10	May 10-Apr 11	141,708	29.6%	10,132	\$150,000	\$62,331	20,163	\$117,190
Undergraduate Library	Mar 10-Mar 10	Aug 10	Jun 10-May 11	95,905	26.4%	6,983	\$110,000	\$62,048	18,063	\$152,684
FY10Totals				1,034,347		98,793	\$1,160,000	\$838,740		
Foellinger Auditorium	Oct 10-Nov 10	Nov 10	Jul 10-Jun 11	51,765	7.6%	536	\$25,000	\$3,231	5,092	\$41,828
Henry Administration Building	Jul 10-Oct 10	Oct 10	Jul 10-Jun 11	160,497	16.8%	5,828	\$115,000	\$43,753	18,035	\$146,381
Foreign Languages Building	Jul 10-Sep 10	Oct 10	Sep 10-Aug 11	110,942	31.8%	10,311	\$55,000	\$81,668	16,926	\$138,398
Physical Plant Service Building	Nov 10-Dec 10	Jan 11	Sep 10-Aug 11	162,881	34.2%	7,771	\$100,000	\$86,181	13,474	\$165,331
Digital Computer Laboratory	Jan 11-Jun 11	Aug 11	Feb 11-Jan 12	144,877	39.2%	32,315	\$270,000	\$263,196	61,973	\$514,040
Agricultural Engr Sciences Bldg	Nov 10-Jan 11	May 11	Mar 11-Feb 12	102,589	19.0%	3,199	\$60,000	\$26,611	4,286	\$34,873
Armory	Apr 11-Jun 11	May 11	Apr 11-Mar 12	260,747	34.6%	7,372	\$75,000	\$67,075	10,708	\$94,483
Grainger Engineering Library	Apr 11-Jul 11	Jun 11	Apr 11-Mar 12	126,838	13.6%	7,643	\$200,000	\$82,599	19,611	\$202,556
FY11Totals				1,121,136		74,974	\$900,000	\$654,313		
Alice Campbell Alumni Center	Jun 11-Sep 11	Feb 12	Jul 11-Jun 12	68,859	27.0%	3,280	\$50,000	\$29,811	4,549	\$40,402
Campbell Hall	Jun 11-Sep 11	Feb 12	Jul 11-Jun 12	40,731	40.6%	7,163	\$96,000	\$66,987	9,857	\$94,186
Library	Jul 11-Jan 12	Feb 12	Aug 11-Jul 12	562,532	38.8%	36,065	\$310,000	\$303,634	46,005	\$389,704
Illinois Sustainable Technology Cente	Jun 11-Sep 11	Oct 11	Oct 11-Sep 12	52,887	32.5%	5,540	\$23,000	\$38,686	5,540	\$38,686
Spurlock Museum	Jan 12-May 12	May 12	Jan 12-Sep 12	53,921	55.5%	8,761	\$43,000	\$75,183	8,761	\$75,183
Beckman Institute	Nov 11-May 12	May 12	Feb 12-Sep 12	358,090	24.2%	21,153	\$160,000	\$171,982	21,153	\$171,982
Children's Research Center	Mar 12-Jul 12	Aug 12	Mar 12-Sep 12	46,805	30.4%	992	\$11,000	\$9,415	992	\$9,415
FY12Totals				1,183,825		82,953	\$693,000	\$695,699		
Engineering Hall	Jun 12-Aug 12	Aug 12	Aug 12-Sep 12	93,188	45.5%	1,207	\$30,000	\$10,869	1,207	\$10,869
Medical Sciences Building	Aug 12-Dec 12	Dec 12	Aug 12-Sep 12	114,784	27.1%	2,408	\$77,000	\$21,724	2,408	\$21,724
Water Survey Research Center	May 12-Aug 12	Aug 12	Aug 12-Sep 12	80,613	25.3%	698	\$28,000	\$9,159	698	\$9,159
FY13Totals				288,585		4,313	\$135,000	\$41,752		
Grand Totals				5,555,513		439,030	\$5,098,000	\$3,900,067	1,222,689	\$10,729,625
					29.2%			* Variable Utility Rates		
RCx efforts typically result in a payback of 2 years or less.							Chilled Water Cost: 1 MMBTU =		\$6.93	
Energy savings are calculated by comparing the annual cost savings time period after the RCx visit with previous year period month for month.							Electricity Cost: 1 kWh =		\$0.050	
Cumulative savings are calculated by comparing additional months after a year with the same base year (2007, FY08/09) for the first year savings.							Steam Cost: 1 klb =		\$10.47	
These values are calculated from the metered data and could also reflect lighting retrofits and other energy savings projects at a specific site or general campus infrastructure.										

