

RCx Economic Summary to Date, Oct 2020
Fully Loaded Utility Rates

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 Cost	Cumulative Avoided Utility Cost since RCx	
									Energy (MMBTU)	Cost Avoidance
Krannert Center for Performing Arts	Oct-07 -		Nov-07 -Oct-08	499,644	35.80 %	30,647	\$375,000	\$371,583	363,664	\$4,025,682
Newmark Civil Engineering Building	Jan-08 -		Feb-08 -Jan-09	208,959	23.20 %	13,616	\$150,000	\$177,650	158,459	\$917,070
Turner Hall	Mar-08 -		Apr-08 -Mar-09	180,003	5.53 %	3,025	\$200,000	\$49,496	169,432	\$2,139,454
ACES Library, Info. & Alumni Center	May-08 -		Jun-08 -May-09	82,742	41.55 %	13,561	\$75,000	\$211,513	151,688	\$2,078,366
FY 2008 Totals				971,349		60,849	\$800,000	\$810,242		
Music Building	Jul-08 -		Aug-08 -Jul-09	105,343	25.86 %	7,916	\$95,000	\$130,734	99,929	\$1,263,605
Mechanical Engineering Laboratory	Sep-08 -		Oct-08 -Sep-09	151,860	35.95 %	16,482	\$150,000	\$255,053	273,354	\$3,445,604
Animal Sciences Laboratory	Nov-08 -		Dec-08 -Nov-09	149,211	25.69 %	8,192	\$100,000	\$135,376	84,713	\$931,147
Chemical & Life Sciences Laboratory	Feb-09 -		Mar-09 -Feb-10	231,316	21.79 %	23,129	\$350,000	\$441,001	-2,503	\$405,350
Madigan Laboratory, Edward R	Feb-09 -		Mar-09 -Feb-10	171,007	28.33 %	26,960	\$300,000	\$422,275	266,579	\$2,966,198
Wohlens Hall	Apr-09 -		May-09 -Apr-10	99,551	44.65 %	16,272	\$175,000	\$219,413	220,327	\$2,763,076
Loomis Laboratory of Physics	May-09 -		Jun-09 -May-10	175,513	20.20 %	11,095	\$175,000	\$154,396	200,044	\$2,247,232
FY 2009 Totals				1,083,801		110,046	\$1,345,000	\$1,758,247		

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Psychology Laboratory	Aug-09 -		Sep-09 -Aug-10	154,523	23.81 %	13,460	\$200,000	\$178,580	158,610	\$1,462,781
Siebel Center for Computer Science	Aug-09 -		Sep-09 -Aug-10	266,825	40.88 %	32,837	\$300,000	\$484,733	413,425	\$5,282,042
Bevier Hall	Nov-09 -		Dec-09 -Nov-10	156,771	17.61 %	7,265	\$140,000	\$86,182	96,275	\$962,167
Coordinated Science Laboratory	Jan-10 -		Feb-10 -Jan-11	124,008	35.43 %	18,944	\$150,000	\$247,846	284,348	\$3,696,011
Illini Union Bookstore	Mar-10 -		Apr-10 -Mar-11	96,407	25.85 %	4,631	\$110,000	\$70,502	70,792	\$1,101,120
Nat Center for Supercomp Appl	Apr-10 -		May-10 -Apr-11	141,708	29.57 %	10,132	\$150,000	\$97,084	85,247	\$489,627
Undergraduate Library	May-10 -		Jun-10 -May-11	95,906	26.43 %	6,983	\$110,000	\$91,585	35,763	\$195,005
FY 2010 Totals				1,036,149		94,252	\$1,160,000	\$1,256,511		
Foellinger Auditorium	Jun-10 -		Jul-10 -Jun-11	51,765	7.56 %	536	\$25,000	\$-100	27,869	\$348,939
Henry Administration Building	Jun-10 -		Jul-10 -Jun-11	160,497	16.61 %	5,748	\$115,000	\$53,901	116,428	\$1,561,165
Foreign Languages Building	Aug-10 -		Sep-10 -Aug-11	117,715	31.84 %	10,311	\$55,000	\$133,792	141,177	\$1,976,443
Physical Plant Service Building	Aug-10 -		Sep-10 -Aug-11	162,883	24.84 %	5,732	\$100,000	\$103,359	22,553	\$304,384
Digital Computer Laboratory	Jan-11 -		Feb-11 -Jan-12	194,280	39.21 %	32,315	\$270,000	\$472,365	399,516	\$5,721,181
Agricultural Engr Sciences Bldg	Feb-11 -		Mar-11 -Feb-12	106,019	18.96 %	3,200	\$60,000	\$51,310	15,756	\$168,228
Armory	Mar-11 -		Apr-11 -Mar-12	258,510	34.61 %	7,372	\$75,000	\$124,694	51,025	\$788,301
Grainger Engineering Library	Mar-11 -		Apr-11 -Mar-12	126,838	13.56 %	7,643	\$200,000	\$149,993	321,577	\$5,435,488
FY 2011 Totals				1,178,508		72,857	\$900,000	\$1,089,314		

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Alice Campbell Alumni Center	Jun-11 -		Jul-11 -Jun-12	68,859	26.89 %	3,286	\$50,000	\$56,533	34,153	\$534,282
Campbell Hall	Jun-11 -		Jul-11 -Jun-12	40,731	40.62 %	7,163	\$96,000	\$57,109	64,873	\$520,935
Library	Jul-11 -		Aug-11 -Jul-12	562,532	37.94 %	35,649	\$310,000	\$573,010	415,573	\$6,466,973
Illinois Sustainable Technology Center	Sep-11 -		Oct-11 -Sep-12	52,887	28.84 %	4,917	\$40,000	\$33,452	16,030	\$17,394
Spurlock Museum	Dec-11 -		Jan-12 -Dec-12	53,922	49.33 %	9,359	\$80,000	\$149,451	92,985	\$1,464,071
Beckman Institute	Jan-12 -		Feb-12 -Jan-13	357,600	24.18 %	29,348	\$300,000	\$425,648	234,445	\$2,845,677
Children's Research Center	Feb-12 -		Mar-12 -Feb-13	46,806	28.31 %	1,642	\$20,000	\$15,636	13,932	\$125,118
FY 2012 Totals				1,183,337		91,363	\$896,000	\$1,310,839		
Water Survey Research Center Grounds	Jul-12 -		Aug-12 -Jul-13	10,923	16.50 %	3,294	\$50,000	\$46,785	33,514	\$352,900
Engineering Hall	Jul-12 -		Aug-12 -Jul-13	93,189	22.66 %	3,369	\$55,000	\$64,473	-3,359	\$-83,363
Medical Sciences Building	Jul-12 -		Aug-12 -Jul-13	114,784	30.13 %	11,904	\$145,000	\$188,505	64,549	\$789,764
Huff Hall	Jul-12 -		Aug-12 -Jul-13	182,536	21.04 %	3,943	\$65,000	\$69,533	22,084	\$262,337
Printing & Photographic Serv Bldg	Mar-13 -		Apr-13 -Mar-14	59,376	8.80 %	767	\$35,500	\$15,008	10,168	\$112,469
Freer Hall	Apr-13 -		May-13 -Apr-14	93,890	32.18 %	7,234	\$65,000	\$110,938	83,099	\$1,162,319
Art and Design Building	May-13 -		Jun-13 -May-14	75,077	-1.12 %	-167	\$50,000	\$9,693	-372	\$-76,822
FY 2013 Totals				629,776		30,342	\$465,500	\$504,934		

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Business Instructional Facility	Jun-13 -		Jul-13 -Jun-14	162,251	33.21 %	8,221	\$100,000	\$134,772	65,088	\$984,843
Temple Hoyne Buell Hall	Aug-13 -		Sep-13 -Aug-14	94,195	4.63 %	637	\$44,000	\$13,370	21,180	\$237,115
Gregory Hall	Sep-13 -		Oct-13 -Sep-14	110,044	22.49 %	3,097	\$40,000	\$52,775	28,523	\$395,079
Admissions and Records Building	Oct-13 -		Nov-13 -Oct-14	32,930	64.02 %	7,348	\$39,000	\$114,223	58,175	\$890,470
Fred Turner Student Services Bldg	Oct-13 -		Nov-13 -Oct-14	41,265	38.26 %	3,303	\$33,720	\$48,724	14,494	\$163,457
School of Labor and Employment Relations	Nov-13 -		Dec-13 -Nov-14	25,258	35.28 %	2,496	\$24,425	\$39,702	14,435	\$186,677
Lincoln Hall	Jan-14 -		Feb-14 -Jan-15	175,836	57.02 %	21,707	\$200,000	\$319,139	150,091	\$2,156,934
David Kinley Hall	Feb-14 -		Mar-14 -Feb-15	80,590	42.47 %	7,768	\$50,000	\$112,916	58,684	\$812,638
Materials Science and Eng Bldg	Feb-14 -		Mar-14 -Feb-15	101,803	18.57 %	3,768	\$67,000	\$54,707	10,870	\$55,676
FY 2014 Totals				824,170		58,344	\$598,145	\$890,328		

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Plant Sciences Laboratory	Jun-14 -		Jul-14 -Jun-15	100,848	2.83 %	891	\$112,000	\$-3,148	9,290	\$-216,805
Smith Memorial Hall	Jul-14 -		Aug-14 -Jul-15	76,307	14.19 %	2,789	\$60,000	\$36,294	37,238	\$452,091
Early Child Development Lab	Jul-14 -		Aug-14 -Jul-15	23,182	13.43 %	671	\$20,000	\$10,017	9,162	\$134,543
Mumford Hall	Aug-14 -		Sep-14 -Aug-15	100,151	-3.26 %	-268	\$28,400	\$-6,733	1,077	\$-56,516
International Studies Building	Sep-14 -		Oct-14 -Sep-15	24,473	18.37 %	1,425	\$26,600	\$12,335	15,409	\$234,440
Law Building	Nov-14 -		Dec-14 -Nov-15	189,730	25.26 %	7,778	\$131,480	\$129,972	44,129	\$778,020
Talbot Laboratory	Nov-14 -		Dec-14 -Nov-15	110,529	28.47 %	4,911	\$64,000	\$63,005	17,733	\$92,389
Campus Recreation Center - East	Dec-14 -		Jan-15 -Dec-15	104,575	40.39 %	14,772	\$120,000	\$214,958	104,375	\$1,552,059
Ceramics Building	Jan-15 -		Feb-15 -Jan-16	54,017	9.63 %	774	\$24,000	\$4,292	4,964	\$-9,150
Davenport Hall	Jan-15 -		Feb-15 -Jan-16	110,943	39.08 %	10,934	\$107,000	\$165,629	51,578	\$681,840
Transportation Building	Mar-15 -		Apr-15 -Mar-16	51,445	31.08 %	3,928	\$43,000	\$46,346	15,568	\$168,492
Ceramics Kiln House	Mar-15 -		Apr-15 -Mar-16	15,697	36.86 %	435	\$5,600	\$9,258	1,975	\$46,626
Activities & Recreation Center	Apr-15 -		May-15 -Apr-16	442,235	35.69 %	33,372	\$300,000	\$445,142	173,478	\$2,376,550
Rehabilitation Education Center	May-15 -		Jun-15 -May-16	42,080	25.37 %	1,798	\$25,000	\$22,088	7,102	\$71,281
Advanced Computation Bldg	May-15 -		Jun-15 -May-16	45,346	3.74 %	1,104	\$120,000	\$-33,648	-16,683	\$-303,259
FY 2015 Totals				1,491,557		85,313	\$1,187,080	\$1,115,808		
Swanlund Administration Building	Sep-15 -		Oct-15 -Sep-16	33,805	34.84 %	1,630	\$14,000	\$16,433	8,002	\$110,236
English Building	Apr-16 -		May-16 -Apr-17	121,013	-11.35 %	-1,112	\$45,000	\$-5,362	4,159	\$148,803
FY 2016 Totals				154,818		518	\$59,000	\$11,070		

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Education Building	Jul-16 -		Aug-16 -Jul-17	94,059	10.55 %	2,957	\$90,000	\$71,454	33,392	\$642,417
Astronomy Building	Oct-16 -		Nov-16 -Oct-17	19,169	42.29 %	2,037	\$14,000	\$25,409	10,282	\$134,900
Memorial Stadium	Dec-16 -		Jan-17 -Dec-17	771,828	27.01 %	16,781	\$340,000	\$316,408	65,366	\$1,253,099
Illini Union	Apr-17 -		May-17 -Apr-18	305,130	30.62 %	21,398	\$250,000	\$369,494	88,589	\$1,581,787
Harding Band Building	Apr-17 -		May-17 -Apr-18	27,840	21.64 %	1,164	\$20,000	\$25,475	5,065	\$112,642
FY 2017 Totals				1,218,026		44,336	\$714,000	\$808,240		
Harker Hall	Jul-17 -		Aug-17 -Jul-18	33,189	35.68 %	2,747	\$28,000	\$50,089	12,948	\$234,575
Admin Information Technology Bldg	Jan-18 -		Feb-18 -Jan-19	32,095	22.07 %	824	\$12,000	\$10,533	3,216	\$42,174
FY 2018 Totals				65,283		3,571	\$40,000	\$60,622		
McKinley Health Center	Jul-18 -		Aug-18 -Jul-19	84,225	24.10 %	5,753	\$85,000	\$96,104	16,199	\$283,441
Electrical and Computer Engineering	Jul-18 -		Aug-18 -Jul-19	238,390	33.99 %	8,457	\$50,000	\$158,047	22,098	\$420,600
Noyes Laboratory of Chemistry	Mar-19 -		Apr-19 -Mar-20	184,711	45.07 %	19,823	\$160,000	\$352,680	31,339	\$552,319
FY 2019 Totals				507,326		34,034	\$295,000	\$606,832		
Natural History Building	Jul-19 -		Aug-19 -Jul-20	153,284	44.65 %	13,322	\$113,200	\$242,151	19,872	\$353,884
Levis Faculty Center	Oct-19 -		Nov-19 -Oct-20	35,912	26.59 %	1,463	\$20,000	\$24,669	1,900	\$32,587
Ikenberry Dining Hall	Dec-19 -		Jan-20 -Dec-20	139,557	48.84 %	12,769	\$120,000	\$198,233	15,553	\$242,476
Timothy J. Nugent Hall	Dec-19 -		Jan-20 -Dec-20	115,517	29.99 %	7,710	\$90,000	\$132,417	7,710	\$132,417
FY 2020 Totals				444,270		35,264	\$343,200	\$597,471		
Grand Total				10,788,369		721,089	\$8,802,925	\$10,820,459	6,551,345	\$85,333,566
Average						27.07 %				

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Chilled Water	MBTU	Start Date	End Date	Rate
		07/20/20		14.0300
		07/29/19	07/19/20	12.9800
		07/23/18	07/28/19	14.0300
		07/16/17	07/22/18	14.5100
		07/15/17	07/15/17	16.4100
		07/15/16	07/14/17	15.4800
		07/15/15	07/14/16	17.3700
		07/28/14	07/14/15	16.5900
		07/30/13	07/27/14	15.7400
		07/30/12	07/29/13	16.7100
		07/01/11	07/29/12	13.9200
		07/01/10	06/30/11	12.8882
		07/01/09	06/30/10	11.6700
		07/01/08	06/30/09	10.7400
07/01/07	06/30/08	11.7800		
07/01/06	06/30/07	12.1600		
07/01/05	06/30/06	12.4500		

Electric	KWH	Start Date	End Date	Rate
		07/20/20		0.0841
		07/29/19	07/19/20	0.0786
		07/23/18	07/28/19	0.0794
		07/16/17	07/22/18	0.0782
		07/15/17	07/15/17	0.0775
		07/15/16	07/14/17	0.0859
		07/15/15	07/14/16	0.0892
		07/28/14	07/14/15	0.0829
		07/30/13	07/27/14	0.0794
		07/30/12	07/29/13	0.0746
		07/01/11	07/29/12	0.0754
		07/01/10	06/30/11	0.0791
		07/01/09	06/30/10	0.0689
		07/01/08	06/30/09	0.0736
07/01/07	06/30/08	0.0782		
07/01/06	06/30/07	0.0648		
07/01/05	06/30/06	0.0738		

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Gas	THERM			
		Start Date	End Date	Rate
		07/20/20		0.4950
		07/23/18	07/19/20	0.4950
		07/15/17	07/22/18	0.4950
		07/15/16	07/14/17	0.4950
		07/15/15	07/14/16	0.5250
		07/28/14	07/14/15	0.5250
		07/30/13	07/27/14	0.5250
		07/30/12	07/29/13	0.5600
		12/08/11	07/29/12	0.6680
		09/15/11	12/07/11	0.8444
		05/01/09	09/14/11	0.8980
Payable Electric	KWH			
		Start Date	End Date	Rate
		07/30/15		0.0892
		07/30/13	07/29/15	0.0794
		10/03/10	07/29/13	0.0746
Payable Natural Gas	THERM			
		Start Date	End Date	Rate
		07/30/13		0.5250
		10/03/10	07/29/13	0.5600
Steam	1000 LBS			
		Start Date	End Date	Rate
		07/20/20		18.1700
		07/29/19	07/19/20	21.1900
		07/23/18	07/28/19	21.5900
		07/16/17	07/22/18	21.2800
		07/15/17	07/15/17	19.5379
		07/15/16	07/14/17	19.3700
		07/15/15	07/14/16	19.3700
		07/28/14	07/14/15	17.4100
		07/30/13	07/27/14	17.0100
		07/30/12	07/29/13	17.5900
		07/01/11	07/29/12	19.1700
		07/01/10	06/30/11	19.8309
		07/01/09	06/30/10	19.7400
		07/01/08	06/30/09	18.9800
		07/01/07	06/30/08	20.2100
		07/01/06	06/30/07	16.1500
		07/01/05	06/30/06	15.7100

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RCx efforts typically result in a payback of 2 years or less.

Energy savings are calculated by comparing the annual cost savings time period after the RCx visit with previous year period month for month.

Cumulative savings are calculated by comparing additional months after a year with the same base year (2007, FY08/09) for the first year savings.

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.