EPM SAVINGS TIMES

MANUFACTURERS OF COMPUTERIZED TEMPERATURE CONTROL FOR OVER THIRTY YEARS

Volume 03 Issue 09

UTILITY COST SAVINGS WITHOUT SACRIFICE

Sept 1, 2009

EPM CTC SYSTEMS BENEFITS

- Reduce energy costs between 20% and 42%.
- Continuous training eliminates costly maintenance contracts.
- Quick identification of heating and air conditioning service issues.
- Free annual verification of CTC system operation.
- If we cannot help you, we will tell you who can, we promise.

Inside this issue:

Different From Others?	2
Jim's Corner	2
Mike's Corner	3
Chris' Corner	3
SCOREBOARD	4
Rick's Corner	4

Over the past fifteen years few commercial buildings were built without some sort of energy management system (EMS) or building automation system (BAS), commonly referred to as a direct digital control (DDC).

Most are specified by consulting engineers whose only knowledge

is what the big three DDC companies have told them.

The DDC systems have really pretty graphics and look really complicated. But, most simply act like a programmable thermostat. Many buildings are on a demand electric rate and their DDC system probably in-

creases their energy cost.

DDC systems are designed so that anyone with fundamental knowledge of heating and air conditioning can install the DDC system. All DDC manufacturers provide a short programming school to select and arrange the canned programs provided with the DDC system. With DDC one size fits all comes to mind.

Unlike the DDC systems, our Computerized Temperature Con-

trol (CTC) system's installation and software are custom designed by engineers with degrees in electrical engineering, computer design engineering and computer programming from major universities. The design is unique for each facility and specific heating and air con-

ditioning equipment.

The CTC system controls the heating and air conditioning equipment eliminating the conflicts, maximizing comfort and minimizing utility cost. Our CTC system employs our patented Temperature Based Demand Limiting (TBDL). TBDL provides maximum electrical demand limiting and

cost reduction without affecting comfort like DDC systems. Read on-this issue is devoted to the differences recently illustrated at MODOT.

NO YOU DON'T HAVE ONE OF THOSE - THAT'S WHY YOUR UTILITY COST IS PROBABLY 30% TOO HIGH.

EPM can help, contact us. (573) 642-6550 (316) 269-2660 www.epmctc.com



"WE'VE GOT ONE OF THOSE ALREADY!"

What Makes EPM's CTC System Different From Others?

A year ago, we finished installing our CTC system in the Missouri Department of Transportation (MODOT) complex in Hannibal, Missouri. Our CTC system replaced a DDC system built and serviced by a big three control company.

When we first approached MODOT, they said, "We have one of those energy control systems." After several months and visits to our other CTC systems they said, "We really do not have the same thing as your CTC system." With comfort, heating and air conditioning

and utility cost problems, they too started the process to acquire a CTC system. They selected an engineer

The EPM CTC system is drastically different and superior to the DDC system.

and instructed him to design a CTC system, not a DDC system. Plans were placed in plan rooms and sent directly to the big three control companies.

After the DDC system was removed and our CTC system was installed, the building became comfortable. Their maintenance man was trained to maintain our CTC system. One year later, Mr. Gary Tolliver, MODOT (573) 248-4900, said, "The EPM CTC system is drastically different and superior to the DDC system. EPM's CTC system is ten times easier to use than the DDC system."

The first year, the EPM CTC system reduced the annual utility cost more than the DDC system by 26.47% or over \$23,500.

NO THEY DIDN'T HAVE ONE OF THOSE!

www.epmctc.com

Jim's Engineer Corner - ANOTHER DDC GONE

Over the past year, our CTC system has controlled and monitored the operation of the heating and air conditioning at MODOT Hannibal. During the year other MODOT district offices visited Hannibal.

St. Joseph had a DDC system installed, not by one of the big three, but by a mechanical contractor DDC vendor. St. Joseph wanted to see for themselves if our CTC system really did what Hannibal said it did.

St. Joseph stated, "Before installing their DDC system, they questioned the mechanical contractor-DDC vendor at great length. The vendor assured them their

DDC system provided the same control, ease of use

After St. Joseph's

visit to Hannibal.

they were shocked.

and savings as our CTC system.

St. Joseph said, "Untrue to the prom-

ises, the DDC system simply acted like a programmable thermostat, but it did give us a lot of pretty pictures."

After St. Joseph's visit to Hannibal, they were shocked. The Hannibal CTC system was truly an integrated control system controlling and coordinating all of the heating and air conditioning equipment, exactly as promised, but not deliv-

ered by the St. Joseph DDC vendor. In addition, the

CTC system monitored and protected the heating and air conditioning equip-

ment. Hannibal maintenance personnel easily make CTC system changes. Also, the utility cost savings was over 25% more than the removed DDC system.

St. Joseph hired the same engineer as Hannibal, they qualified for a large energy grant, CTC system plans and specifications were bid and we are starting the job.

Get what you were promised jim@epmctc.com

Mike's Service Corner-CTC System & Comfort

Hannibal MODOT purchased and installed our CTC system to provide a comfortable work environment and have reduced utility and maintenance costs pay for the CTC system.

At the first indication of a heating or air conditioner problem our CTC system monitoring and alarm programs notify them and us. If the controlled heating or air conditioning fails to properly respond to the CTC system commands, the CTC system will generate a mechanical equipment alarm.

There are two types of alarms. The first is a high priority alarm such as a freezer compressor that fails to start or a boiler that fails to heat.

The CTC system immediately sends the 24/7 EPM alarm monitoring an e-mail describing the alarm. An alarm text message is also sent to the customer's cell phone.

The second type of alarm is a non-emergency alarm. This is sent during normal working hours. If the customer does not act within a specific time, the message is sent to the EPM alarm computer.

At Hannibal MODOT alarms have notified them of minor heating and air conditioning problems while they were relatively inexpensive to repair; such as low suction temperature, bad condenser fan and low static pressure. Before the EPM CTC system was installed these problems escalated and become very expensive to repair.

I can help small problems stay small. service@epmctc.com

Chris' CTC Research and Development Corner

Hannibal MODOT was one of the first large installations of our new SBD-3200 Computerized Temperature Control (CTC) system. The new SBD-3200 CTC system replaces our SBD-2590 CTC system. The SBD-3200 is backward compatible with our SBD-1000 through SBD-2590 CTC systems.

The SBD-3200 CTC system is written without Microsoft®. It uses Linux®. Unlike other operating systems, Linux does not require expensive updates and is not abandoned. Now Hannibal will never be required to update their control system as required by DDC system providers.

With DDC and previous CTC systems you had to have a communication software package to access the programs. With the SBD-3200 you only need an Internet browser, such as Internet Explorer® or Firefox®.

The advantage of the new communication package is the SBD-3200 system simply acts like a password protected interactive web You can access the page. new SBD-3200 from any computer with an Internet connection. Encription and firewalls protect all communication.

When the SBD-3200 is installed it is connected to

your network and Internet. If you have an IT staff we work with them. If you don't have a on we will do it for you working with your Internet provider.

Hannibal MODOT
Utility Cost Savings
Over DDC
\$23,500 a year or 26.47%

Five year payback

MODOT elected to use a secure technology for multiple CTC systems, similar to that used by our multiple bank customers.

We make it easy and secure. cadam@epmctc.com



www.epmctc.com

2105 Power Lane Fulton, Missouri 65251 (573) 642-6550 2609 East Harry Street Wichita, Kansas 67211 (316) 269-2660

SCOREBOARD

RECENT Savings RESULTS:

Russell Bickerdyke Elementary School Wesley Methodist Church, Sedalia Peabody Elementary MODOT Hannibal 21.05% (first eight months) 29.64% (first eight months) 26.38% (fourth year) 26.47% (first year)

Above is the current score of energy use reduction as compare to the year before the EPM CTC was installed.

Rick's Corner-You Really Don't Have One? Find Out For Sure!

Many of you think, "I have a CTC system," but you really don't. If you really don't have one you could be wasting tens of thousands of dollars each year. How do you find out?

If your building is uncomfortable, your heating and air conditioning equipment cause problems and your utility cost is high, you probably have a DDC system and not a CTC

EPM CTC SYSTEM

-operate efficiently-solve comfort problems-monitor safe operation-pay with utility savings

system. If you suspect you have a DDC system, we can find out by doing a Short-sheet. The Shortsheet is an analysis of your utility usage and cost. If your building is above the national standard,

chances are you have a DDC system. If the DDC system is improperly installed or programmed it can be damaging your heating and air conditioning equipment and increasing your utility cost.

MODOT had a DDC system and found replacing it with our CTC system generated utility cost savings sufficient to pay for the complete CTC system in five years.

There are instances when the upgrade to an efficient EPM CTC system not only makes sense, it is the right thing to do. We cannot help everyone. If we cannot we will let you know.

As with MODOT, we need to do the research and due diligence to see if the particular building is a fit for an EPM CTC system. During this process we found the St. Joseph MODOT CTC system

was eligible for a grant from the electric company.

GRANTS MAY BE
AVAILABLE TO ASSIST
IN YOUR CTC SYSTEM
PURCHASE
CONTACT ME TO FIND
OUT

Many EPM systems are financed or lease/purchased. This allows the building owner to pay for the solution and the improvements with savings from the existing operating budget. The evaluation process only costs you some time, but could provide significant savings.

Our CTC system is custom made to exactly fit your building. One at a time-every time.

Need more information or for an analysis?
rnick@epmctc.com



MANUFACTURERS OF COMPUTERIZED TEMPERATURE CONTROL FOR OVER THIRTY YEARS 2105 Power Drive – Fulton, Missouri 65251 (573) 642-6550 / Fax (573) 642-6556 / www.epmctc.com

Facility	Cost	Projected	Actual	Simple	Primary	Phone	Installation	KBTU Pe	er Squar
	(\$)	Savings (%)	Savings (%)	Payback (# Years)	Contact		Date	Foot P Before	er Year After
Iton Bowl Haven	\$22,646.20	14.17%	15.68%	3.25	Bill Netzhammer	(618) 465-6626	Mar 16, 1990	86	74
irst Bank-Formerly Bank of Jerseyville	\$21,674.00	19.75%	23.57%	2.67	Vicki Jackson	(618) 498-2151	Nov 20, 1992	104	79
& B Theater Festus	\$35,762.00	14.10%	13.50%	4.17	Gary Drury	(636) 933-4033	Jun 24, 1999	67	56
& B Theater Dodge City	\$43,386.00	14.64%	22.77%	1.83	Ernie Sinclair	(620) 227-8100	Nov 2, 1999	77	47
& B Theater Iola	\$41,094.78	10.00%	28.60%	4.25	Dan VanOrden	(573) 642-3813	Nov 15, 2001	81	62
& B Theater Moberly	\$37,000.00 \$37,883.12	14.31% 18.00%	24.15% 28.50%	3.33	Chris Tickner	(660) 263-8100 (417) 455-1802	Nov 18,1998	80 75	61 44
& B Theater Neosho & B Theater Waynesville	\$41,152.00	15.88%	26.18%	3.75	Paul Farnworth Dan VanOrden	(573) 642-3813	Jan 1,2001 Jun 24,1999	75	51
allaway County Missouri Court House	\$33,548.00	18.88%	29.11%	2.00	Lee Fritz	(573) 642-0737	Jul 23, 2008	70	42
entral Bank and Trust California	\$37,249.00	22.76%	23.15%	3.17	Keith Ziegelbein	(573) 634-5600	Dec 12, 2002	81	60
entral Bank and Trust Fulton	\$37,248.00	15.68%	11.30%	5.25	Keith Ziegelbein	(573) 634-5600	Dec 13, 2001	75	73
entral Bank and Trust Holts Summit	\$29,250.00	20.22%	29.72%	0.75	Keith Ziegelbein	(573) 634-5600	Dec 13, 2001	237	114
entral Bank and Trust 238 Madison Jefferson City	\$43,121.73	13.80%	19.32%	3.67	Keith Ziegelbein	(573) 634-5600	Dec 4, 1984	74	59
entral Bank and Trust 500 Madison Jefferson City	\$84,225.00	12.02%	15.30%	4.17	Keith Ziegelbein	(573) 634-5600	Mar 1, 2001	230	205
entral Bank and Trust West Jefferson City	\$24,262.96	15.22%	27.38%	3.25	Keith Ziegelbein	(573) 634-5600	Dec 23, 1983	84	61
entral Technology Services	\$99,993.00	13.34%	11.17%	4.08	Keith Ziegelbein	(573) 634-5600	Dec 29, 2000	135	123
itizens Bank amd Trust company Overland Park	\$37,986.00	17.01%	64.11%	0.67	Bryan LaGree	(913) 491-1061	Oct 17, 2001	270	125
itizens Bank and Trust Company Topeka	\$57,552.00	19.94%	33.74%	2.50	Bryan LaGree	(913) 491-1061	Nov 27, 2003	184	116
mpire Bank South National	\$118,506.00	30.57%	37.52%	3.33	Jim Brandenburgh	(417) 881-3100	Nov 22, 2006	130	81
mpire Bank 1800 South Glenstone	\$127,115.26	22.65%	30.15%	2.92	Steve Viehland	(417) 881-3100	Jul 21, 2003	214	130
mpire Bank Glen Isle	\$23,753.00	22.65%	26.50%	2.17	Steve Viehland	(417) 881-3100	Jun 27, 2003	163	161
mpire Bank North	\$22,103.25	25.00%	NEW	3.17	Steve Viehland	(417) 881-3100	NEW	165	NEW
irst Bank of Creve Coeur	\$69,100.00	25.00%	28.23%	1.83	Ronda Asher-Hibbon	(314) 592-2772	May 15, 1988	132	96
rst Bank of Illinois Belleville	\$20,865.52	16.80%	23.08%	3.08	Elaine Patterson	(618) 233-0538	May 17, 1994	107	80
irst United Methodist Church Sterling	\$54,967.50	24.56%	30.74%	4.67	Debbie Wolfe	(620) 278-2615	Sep 24, 2007	50	37
ocus Bank of Caruthersville	\$23,830.00	18.98% 20.10%	20.10%	3.25	Scott Avis	(573) 333-2240 (870) 236-7000		73	67
ocus Bank of Paragould	\$22,938.00 \$5,000.00	15.00%	19.77% 27.36%	2.17	Jacob Kellett	(573) 443-5418	Mar 9, 2006 Aug 1, 1979	113 145	94 112
arpos - Columbia enges Enterprises, Inc.	\$18,750.00	11.52%	14.62%	2.83	Dennis Harper Craig Buechter	(870) 236-5464	Mar 5, 1987	85	71
ennett National Bank	\$41,400.00	16.69%	26.00%	3.33	Kim McCormick	(573) 888-9051	Feb 21, 2001	99	69
neibert Clinics	\$114,801.41	25.00%	35.22%	2.67	Robert Christian	(573) 778-7210	Jul 7, 1988	175	108
lacon-Atlanta State Bank	\$51,021.00	24.72%	24.94%	3.50	Rusty Neil	(660) 385-3161	Mar 28, 2005	108	82
lissouri Farm Bureau Jefferson City	\$169,353.00	10.23%	21.97%	3.25	Randy Seidel	(573) 893-1400	Oct 31, 2000	92	79
lissouri Department of Transportation- Hannibal	\$109,323.00	22.96%	26.47%	2.83	Todd Roth	(573) 248-2428	Jun 20, 2008	147	114
ATS Mid-Missouri Regional Office	\$62,539.00	24.06%	48.51%	1.67	Jack Heusted	(573) 449-3789	Jan 13,2008	147	93
eabody State Bank	\$16,150.00	16.01%	11.98%	6.83	R. S. Avery	(620) 983-2181	Aug 6, 2004	126	114
eoples Bank & Trust Hawk Point	\$7,742.74	27.00%	22.00%	3.83	David Thompson	(636) 528-7001	Jul 27, 1989	93	66
eoples Bank & Trust O'Fallon	\$6,416.00	30.00%	21.28%	2.58	David Thompson	(636) 528-7001	Dec 24, 2002	111	86
eoples Bank & Trust Cherry & Wood Troy	\$11,802.29	26.50%	25.53%	2.00	David Thompson	(636) 528-7001	Jul 29, 1987	118	86
eoples Bank & Trust #9 Troy Square Troy	\$6,416.00	12.00%	30.73%	6.42	David Thompson	(636) 528-7001	Dec 24, 2002	84	76
eoples Bank Franklin Street Cuba	\$18,450.00	20.27%	20.76%	2.75	Tina Hannon	(573) 885-2511	Dec 24, 2002	112	87
eoples Bank Washington Street Cuba t. John's Bank & Trust Bridgeton	\$17,642.00 \$38.141.14	22.07% 26.00%	36.10% 39.55%	2.25	Bill Adam	(573) 885-2511	Jun 3, 2003	97	68 92
y			39.55%	1.67 2.00	Alan Epperson Alan Epperson	(314) 428-1059	Jul 19, 1988	154 257	158
t. John's Bank & Trust Cave Springs t. John's Bank Natural Bridge	\$79,974.83 \$19,784.91	26.00% 25.00%	14.41%	2.00	Alan Epperson	(314) 428-1059 (314) 428-1059	Jun 4, 1992 Nov 10, 1988	202	177
ri-County Trust Company	\$8,269.00	10.02%	13.78%	2.92	Tim Monning	(660) 338-2234	Mar 19, 1999	73	61
MB Bank (63 Facilities)	\$1,196,515.78	22.74%	37.60%	2.40	Mark Garten	(816) 474-5600	Jul 1989	143	87
/esley United Methodist Church Sedalia	\$52.895.00	28.00%	29.64%	3.08	Kevin Holburg	(660) 826-4502	Oct 29, 2008	115	81
MCA Callaway County	\$48,526.80	18.00%	29.64%	2.92	Patricia Kelly	(573) 642-1065		71	55
mort damanay doanty	\$ 10,020.00	10.0070	27.0170	2.72	r duriola reorg	(070) 012 1000	1101 1/2002		
VERAGE	\$44,149.67	19.51%	25.68%	3.06				122.17	87.92
	7.17.11.01							100%	72%
								10070	12/0
TC system installations shown in BLUE had ope	erating night sethar	ck systems rem	oved at the ti	me of the CI	C system installation	The CTC system	Ι Υ		
avings is above and beyond the night setback sa					o o jotom motanatiom	ino or o ojoto.			
Tringe is above and beginn a tile riigin secbasic se	l l	inoroa mgm oot	Laur System	_					
TC system installations shown in RED had oper	ating Direct Digital	Control (DDC)	systems rem	noved at the	time of the CTC syster	n installation.			
he CTC system savings is above and beyond th									
2 . 2 . 3 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5	2 22 0 System Sul	goom the N		230.01110					
he percent dollar savings may differ from KBTU	ner SE ner VR red	Luction denendi	ng upon if the	CTC system	n is primarly a consum	ntion electric			
emand or combination consumption and demand	d savings CTC svs	tem	ng apon n and	Jio Syster	primarily a consum	paori, olocuic			
on and of combination consumption and demand	L Savings O1 O 3ys	.com.	-	1					
) (C) ()	(40 /550	l		
	am acmtact	THA LUITA	n Lnain	ooring (Ittico at (b.72)	5/17 AAAA()			
For further informati	<u>ion contact</u>	the ruito	II Eligili	eering c	Jilice at (3/3)0	J4Z-0330			
·			<u>.</u>			<u> </u>			
	WW.		<u>.</u>			<u> </u>			



MANUFACTURERS OF COMPUTERIZED TEMPERATURE CONTROL FOR OVER A QUARTER CENTURY 2105 Power Drive – Fulton, Missouri 65251 (573) 642-6550 / Fax (573) 642-6556 / www.epmctc.com

Breast	<u>EP</u>	M Computerized	Temperature (Control Savin	gs Examples	- Schools		I		
Savings Savings Savings Savings Savings Contact Cont	Encility	Cost	Drainatad	Actual	Cimple	Drimony	Dhono	Installation	VDTILI	Oor Causes
September Sept	<u>Facility</u>	COSI	•				Phone			•
Magnet Chi 150,070 20 23 776 31 20 38 Dom William (400) 323-5272 6002000 72 46		(\$)			,	Contact		Date		
Selection Color 1975 197	Adair Co. R-II					Don Wilburn	(660) 323-5272	6/30/2005		
Security										
Career Markey Alfor Heart Seption 1997 2009 2209 2009 97200 5720900 58 43	Bernie R-XIII School	\$235,086.00	19.24%	34.75%	1.13	John Boyd	(573) 293-5333	8/6/2005	61	43
Same Valley Loofs Elementary	<u>Brussels</u>	\$88,500.00	21.94%		4.71	Tom Knuckles	(618) 883-2131	11/20/1998	145	94
Control A. M. Price Description Control Contro	· · · · · · · · · · · · · · · · · · ·						• •			
Camerial A. S. Milyada Sementary \$77,863.00 \$25.00% \$5.40 Rendal Gridgy \$217,226-9422 \$973,9799 \$9.0080 \$10.00000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.00000 \$10.00000 \$10.00000 \$10.00000 \$10.00000 \$10.00000 \$10.00000 \$10.000000 \$10.00000000000000000000000000000000000							• •			
Central & A. Middle School							• •			
Central R.A. Models School						- 55	• •			
Charlesteen							• •			
Description Community Model School							• •			
Clary Clay (150 + 10]	-						• •			
Debrook USD 249 Emeny School 10 10 10 10 10 10 10 1										
Diaphoru USD PZRP Immy School	Clearwater R-I									
Diplote USD 9298 High School \$148,260,00 20,95% 27,23% 20,00 Angele Lawrence \$620,786,2711 10,250,004 98 78 78 78 78 78 78 78	Dighton USD #298 Primary School		19.44%			Angela Lawrence		11/8/2004	65	34
Displace 150 170	Dighton USD #298 Elementary	\$92,969.00	27.53%	66.63%	1.67	Angela Lawrence	(620) 278-2171	11/12/2004	76	50
Durban-Hisbord Lehich Hisbord Elementary (1906) 63 (00) 17.55% (22) 21% (27) 5. Sieve Noble (20) 947-3184 (1920) 63 (27) 1900 (1910) 64						<u> </u>				
Dumben-Hillstorn-Lehne Middle-High/Nor Tegh. 9292,762.00 19-99% 2331% 29-92 Steve Notice (2019) 47-3184 5922001 85 56 (1999) 48-1818 513900 00 16-418 4032% 4032% 41 Larry Hangan for Signature (2019) 48-1818 513900 23-25% 4032% 51-50 Cary May (618 Mc2-2412 1799) 89 90 60 19-1818 513900 23-25% 408 52-1819 41 Larry Hangan for Signature (2019) 48-1818 51-50 (1999) 48-	Dighton USD #298 Vocational Shop						• •			
Elsbern R.H. Fru 12 & Voc. Tech S158,000.00 16.41% 40.32% 3.41 Lany Flanagan (573,898-5554) 12311996 89 00 Piera Cust J.S. H. High Fiera Cust J.S. H. High S96,000 22.67% 34.99% 4.08 Gray May (618-62-2112 2019197 88 70) Fiera Cust J.S. H. High Fiera Cust J.S. H. High Fiera Cust J.S. H. High S96,000 24.67% 34.99% 4.08 Gray May (618-62-2112 2019197 88 70) 68 Fiera Cust J.S. H. High Fiera Cust J.S. High Fiera Cust J.S. H. High Fi										
Fixe Cused #35-Admin \$14,390.00 23,96% 27,07% 25.00 Cany May (618) 662-2412 47/1998 85 70 Fixe Cused #35-Lift High \$56,000 22,84% 28,54% 26,97 Cany May (618) 662-2412 11/191977 85 49 Fixe Cused #35-Lift High \$204,400.00 22,84% 28,54% 26,97 Cany May (618) 662-2412 11/191977 85 49 Fixe Cused #35-Lift High \$34,786.00 22,84% 28,54% 26,97 Cany May (618) 662-2412 31/19197 85 49 Fixe Cused #35-Michaelee \$99,000.00 23,35% 23,87% 617 Cany May (618) 662-2412 31/19198 27 59 Fixe Cused #35-Michaelee \$99,000.00 23,35% 23,87% 617 Cany May (618) 662-2412 31/19198 27 59 Fixe Cused #35-Michaelee \$99,000.00 40,87% 31,26% 31							· /			
Filter Clard #58Ir High							· /			
Fibra Cused 453-Harin										
Filer Clard #35-Lincoln Start A 786.00 19.60% 19.09% 233 Gary May 618 66.22412 34/1998 56 42										
Elean Cused 455-Methentree										
Fibra Clard #35-Washington \$33,247.00 19.70% 21.20% 19.2 Gary May (618) 662-2412 4/81798 127 103 1745 17										
Files Clark #35 Xenia										
Fil. Lamed USD #495 Middle School 5186,439.00 19,65% 23,69% 4.83 Jon Flint (620) 285,3185 1052006 63 46 Fullon Schools #58-Bartley Elementary 560,114.00 18.00% 38.20% 4.08 Jack Cowherd (573) 642-2206 47,002000 98 59 Fullon Schools #58-Bartley Elementary 586,214.00 18.00% 38.20% 4.08 Jack Cowherd (573) 642-2206 17,002000 98 59 Fullon Schools #58-Bartley Elementary 586,214.00 18.00% 38.20% 4.07 Jack Cowherd (573) 642-2206 17,002000 98 59 Fullon Schools #58-Bartley Elementary 586,218.00 18.00% 38.20% 4.07 Jack Cowherd (573) 642-2206 17,002000 98 99 Fullon Schools #58-Bartley Elementary 586,238.00 18.89% 4.073% 4.42 Jack Cowherd (573) 642-2206 17,002000 189 49 Fullon Schools #58-Middle School 5142,046.09 18.89% 33.32% 392 Jack Cowherd (573) 642-2206 17,002000 105 61 Fullon Schools #58-Middle School 5142,046.09 18.89% 33.32% 392 Jack Cowherd (573) 642-2206 17,002000 198 64 Howard County R-III-flein 586,239.00 20.00% 25.37% 6.49 Mike Reynolds (660) 338-2012 2/17/1995 109 77 Floward County R-III-flein 579,950.00 26.00% 25.37% 6.49 Mike Reynolds (660) 338-2012 4/13/1995 1177 88 Fullon Schools #58-Middle School 586,231.00 31.00% 30.00% 31.31% 30.01 Jerry Noble (573) 717-1100 17/1995 109 77 Floward County R-III-flein 586,231.00 31.00% 30.00% 31.31% 30.01 Jerry Noble (573) 717-1100 17/1995 63 37 Floward County R-III-flein 586,231.00 31.00% 31	Flora Cusd #35-Xenia									
Fulion Schools #58-Bartlev Elementary	Ft. Larned USD #495 Middle School		19.65%						63	46
Fulton Schools #58-Bush Elementary	Ft. Larned USD #495 Sr. High School	\$174,854.00	26.59%	30.15%	2.67	Jack Cowherd	(620) 285-3185	8/31/2005	150	101
Fulton Schools #58-High School \$195,286.30 15,88% 42,65% 2.92 Jack Cowherd (573) 642-2206 7720/2000 89 49 Fulton Schools #58-Midfler Elementary \$86,396.88 18,00% 40,73% 4.42 Jack Cowherd (573) 642-2206 7720/2000 105 61 Fulton Schools #58-Midfler School \$142,046.09 15,88% 33,32% 3.92 Jack Cowherd (573) 642-2206 575/2000 98 64 Fulton Schools #58-Midfler School \$142,046.09 15,88% 33,32% 3.92 Jack Cowherd (573) 642-2206 575/2000 98 64 Fulton Schools #58-Midfler School \$142,046.09 15,88% 33,32% 3.92 Jack Cowherd (573) 642-2206 575/2000 98 64 Fulton Schools #58-Midfler School \$142,046.09 15,88% 33,32% 3.92 Jack Cowherd (573) 642-2206 575/2000 98 64 Fulton Schools #58-Midfler School \$60,0338.2012 217/1995 109 77 Fulton Schools #58-Midfler School \$60,0338.2012 4713/1995 117 88 Fulton Schools #58-Midfler School \$152,000.00 21,40% 27,30% 3.42 Mikk Reynolds (660) 338-2012 4713/1995 117 88 Fulton Schools #58-Midfler School \$45,164.00 30,00% 33,17% 3.01 Jerry Noble (573) 717-1100 5726/1994 82 54 Kennett #39-Junior High \$16,178.00 31,00% 32,08% 33,12 Jerry Noble (573) 717-1100 12/30/1993 36 29 Fulton School \$40,000 \$40						Jack Cowherd	• •			
Fulton Schools #58-Midtler Elementary							• •			
Fulton Schools #58-Middle School										
Howard County R-II-Elem							• •			
Howard County R-II-High										
Humansville R-IW K thru 12 and Voc Tech \$125,000 00 21.40% 27.30% 3.42 Mark Koca (417) 754-2535 7/30/2002 62 51	·									
Kennett #39-H.B. Masterson \$45,164,00 30,00% 33,17% 3.01 Jerry Noble (573) 717-1100 5/26/1994 82 54 Kennett #39-High School \$65,213.00 31,00% 40,84% 2.45 Jerry Noble (573) 717-1100 11,017/1995 63 37 Kennett #39-Billion Fidh \$16,178.00 15,00% 15,22% 6,57 Jerry Noble (573) 717-1100 11/20/1994 90 54 Kennett #39-South Elem. \$38,727.00 29,00% 32,08% 3.12 Jerry Noble (573) 717-1100 4/20/1994 90 54 Kinsley High School \$153,150.00 20,59% 26,33% 3.60 Bob Davies (620) 659-3646 5/10/2002 76 73 Kinsley Voc-Tech \$17,780.00 22,15% 13,10% 14,20 Bob Davies (620) 659-3646 5/10/2002 76 75 Kirksylle R-III-Middle \$92,296.00 25,00% 30,00% 3,33 Patrick Williams (660) 655-7744 8/17/1995 87 55 La Plata Elementary S										
Kennett #39-High School \$65,213.00 31.00% 40.84% 2.45 Jerry Noble (573) 717-1100 1/17/1995 63 37 Kennett #39-Junior High \$16,178.00 15.00% 15.22% 6.57 Jerry Noble (573) 717-1100 12/20/1993 36 29 Kinsley Lementary \$38,727.00 29.00% 32.08% 3.12 Jerry Noble (573) 717-1100 12/20/1993 36 29 Kinsley Elementary \$85,250.00 18.73% 24.28% 7.00 Bob Davies (620) 659-3646 5/10/2002 59 49 Kinsley Voc-Tech \$17,378.00 22.15% 31.00% 14.20 Bob Davies (620) 659-3646 5/10/2002 76 75 Kirksville R-II-Middle \$92.296.00 25.00% 30.00% 3.33 Patrick Williams (660) 665-7774 8/17/1995 87 55 La Plata Elementary School \$98,797.00 27.66% 45.52% 2.67 Gary Nelson (785) 524-4436 11/28/2003 122 57 Lincoln USD #298 High School<							• •			
Sement #39-Junior High \$16,178.00 15.00% 15.22% 6.57 Jerry Noble (573) 717-1100 12/30/1993 36 29							• •			
Kinsley Elementary \$85,250.00 18.73% 24.28% 7.00 Bob Davies (620) 659-3646 3/7/2002 59 49 (Kinsley Voc-Tech \$153,150.00 20.59% 26.33% 3.60 Bob Davies (620) 659-3646 5/10/2002 96 73 (Kinsley Voc-Tech \$17,378.00 22.15% 13.10% 14.20 Bob Davies (620) 659-3646 5/10/2002 96 73 (Kinsley Voc-Tech \$17,378.00 22.15% 13.10% 14.20 Bob Davies (620) 659-3646 5/10/2002 96 75 (Kinsley Voc-Tech \$17,378.00 22.15% 13.00% 14.20 Bob Davies (620) 659-3646 5/10/2002 76 75 (Kinsley Voc-Tech \$17,378.00 22.15% 13.00% 14.20 Bob Davies (620) 659-3646 5/10/2002 76 75 (Kinsley Voc-Tech \$17,378.00 25.00% 30.00% 3.33 Patrick Williams (660) 665-7774 8/7/11/99 87 55 La Plata Elementary School \$59,097.00 27.66% 45.52% 26.70 Gary Nelson (785) 524-4436 11/28/2003 122 57 (Lincoln USD #298 Elementary School \$119,169.00 23.62% 25.35% 3.60 Gary Nelson (785) 524-4436 11/28/2003 122 57 (Loraine-Holyrood #328 \$71,650.00 15.37% 31.28% 3.23 Lenny Gales (785) 472-5241 9/12/2000 72 56 (Loraine-Quivera Heights \$73,550.00 14.85% 23.69% 2.92 Lenny Gales (785) 472-5241 9/12/2000 72 56 (Loraine-Quivera Heights \$73,550.00 14.85% 23.69% 2.92 Lenny Gales (785) 472-5241 9/12/2000 70 57 (Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (618) 877-1712 3/5/1997 102 60 (Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (618) 876-7010 8/20/1998 99 72 (Malta Bend R-V \$48,000.00 19.51% 39.68% 2.34 Melissa Vesser (660) 595-2371 7/28/1998 75 49 (Montgomery County-Innesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 (Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 7/6/1993 45 39 (Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 385-2211 1/15/2001 41 33 Notth Callaway R-I Haigh School \$78,904.00 19.90% 25.17% 7.17 Charles Castle (27) 385-2201 4/21/03 62 43 North Callaway R-I Haigh School \$114,000.00 13.30% 18.92% 7.28 Bryan Thomsen (573) 386-2214 6/11/						<u> </u>	• •			
Kinsley High School \$153,150.00 20.59% 26.33% 3.60 Bob Davies (620) 659-3646 5/10/2002 96 73 Kinsley Voc.Tech \$17,378.00 22.15% 13.10% 14.20 Bob Davies (620) 659-3646 5/10/2002 76 75 Kirksville R-III-Middle \$92,296.00 25.00% 30.00% 3.33 Patrick Williams (660) 665-7774 8/17/1995 87 55 La Pitala Elementary School \$59,097.00 21.28% 27.53% 3.92 Steve Carvajal (660) 332-7001 3/26/2007 62 49 Lincoln USD #298 Elementary School \$98,797.00 27.66% 45.52% 2.67 Gary Nelson (785) 524-4436 11/28/2003 122 57 Lincoln USD #298 Elementary School \$119,169.00 23.62% 25.35% 3.60 Gary Nelson (785) 524-4436 11/28/2003 85 47 Lorraine-Holyrood #328 \$71,650.00 15.37% 31.28% 3.23 Lenny Gales (785) 472-5241 9/12/2000 72 56 Lorraine-Uilson Complex \$98,550.00 14.85% 23.69% 2.92 Lenny Gales (785) 472-5241 9/12/2000 71 63 Lorraine-Uilson Complex \$98,550.00 16.43% 24.16% 2.42 Lenny Gales (785) 472-5241 9/12/2000 70 57 Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (618) 877-1712 3/5/1997 102 60 Madison Cusd #12-High \$196,608.00 17.00% 27.51% 3.50 Marty Albertson (573) 796-2145 2/9/2005 88 57 Montgomery County-Jonesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Jonesburg \$8,539.00 23.36% 4.133% 3.25 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neoga CUSD #3 Elementary School \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 44 North Callaway R-1 Hutton/McCredie Elem. \$71,500.00 18.336% 23.79% 8.94 Bnyan Thomsen (573) 386-2214 6/15/1998 67 49 North Callaway R-1 Hutton/McCredie Elem. \$71,500.00 18.58% 27.98% 8.94 Bnyan Thomsen (573) 386-2214 6/15/1998 67 49	Kennett #39-South Elem.	\$38,727.00	29.00%	32.08%	3.12	Jerry Noble	(573) 717-1100	4/29/1994	90	54
Kirksville R-III-Middle \$92,296.00 25.00% 30.00% 3.33 Patrick Williams (660) 655-3646 5/10/2002 76 75 5/5 Kirksville R-III-Middle \$92,296.00 25.00% 30.00% 3.33 Patrick Williams (660) 665-7774 8/17/1995 87 55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5										
Kirksville R-III-Middle \$92,296.00 25.00% 30.00% 3.33 Patrick Williams (660) 665-7774 8/17/1995 87 55 La Plata Elementary School \$59,097.00 21.28% 27.53% 3.92 Steve Carvajal (660) 635-7774 8/17/1995 62 49 Lincoln USD #298 Elementary School \$98,797.00 27.66% 45.52% 2.67 Gary Nelson (785) 524-4436 11/28/2003 85 47 Lorraine-Holyrood #328 \$71,650.00 15.37% 31.28% 3.23 Lenny Gales (785) 472-5241 9/12/2000 72 56 Lorraine-Holyrood #328 \$73,550.00 14.85% 23.69% 2.92 Lenny Gales (785) 472-5241 9/12/2000 71 63 Lorraine-Wilson Complex \$98,550.00 16.43% 24.16% 2.42 Lenny Gales (785) 472-5241 9/12/2000 70 57 Madison Cusd #12-Middle \$198,213.00 21.90% 42.18% 3.04 Sandra Schroeder (618) 87-7112 875/1999 92 72										
La Plata Elementary School \$59,097.00 21.28% 27.53% 3.92 Steve Carvajal (660) 332-7001 3/26/2007 62 49 Lincoln USD #298 Elementary School \$98,797.00 27.66% 45.52% 2.67 Gary Nelson (785) 524-4436 11/28/2003 122 57 Lincoln USD #298 High School \$119,169.00 23.62% 25.35% 3.60 Gary Nelson (785) 524-4436 11/28/2003 85 47 Lorraine-Holyrood #328 \$71,650.00 15.37% 31.28% 29.32 Lenny Gales (785) 472-5241 9/12/2000 72 56 Lorraine-Quivera Heights \$73,550.00 14.85% 23.69% 2.92 Lenny Gales (785) 472-5241 9/12/2000 71 63 Lorraine-Uwison Complex \$98,550.00 16.43% 24.16% 2.42 Lenny Gales (785) 472-5241 8/3/2000 70 57 Madison Cusd #12-High \$198,213.00 21.90% 42.18% 3.04 Sandra Schroeder (618) 877-1712 3/5/1997 102 60 Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (618) 876-7010 8/20/1998 99 72 Malta Bend R-V \$48,000.00 19.51% 39.68% 2.34 Melissa Vesser (660) 595-2371 7/28/1998 75 49 Moniteau Co. R-I High School \$182,665.00 17.00% 27.51% 3.50 Marty Albertson (573) 796-2145 2/9/2005 88 57 Monitogenery County-Jonesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 17/6/1993 45 39 Monitogenery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 17/6/1993 45 39 Monitogenery County-Middle/High \$112,694.00 20.00% 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neoga CUSD #3 Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neoga CUSD #3 Elementary \$75,500.00 13.30% 18.92% 7.28 Bryan Thomsen (573) 386-2214 6/11/1998 83 66 North Callaway R-I Hattor/McCrede Elem. \$71,500.00 18.43% 26.02% 7.28 Bryan Thomsen (573) 386-2214 6/15/1998 67 49 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 67 49 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 67 49 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 67 49										
Lincoin USD #298 Elementary School \$98,797.00 27.66% 45.52% 2.67 Gary Nelson (785) 524-4436 11/28/2003 122 57 Lincoin USD #298 High School \$119,169.00 23.62% 25.35% 3.60 Gary Nelson (785) 524-4436 11/28/2003 85 47 Lorraine-Holyrood #328 \$71,650.00 15.37% 31.28% 3.23 Lenny Gales (785) 472-5241 9/12/2000 72 56 Lorraine-Quivera Heights \$73,550.00 14.85% 23.69% 2.92 Lenny Gales (785) 472-5241 9/12/2000 71 63 Lorraine-Wilson Complex \$98,550.00 16.43% 24.16% 2.42 Lenny Gales (785) 472-5241 9/12/2000 70 57 Madison Cusd #12-High \$198,213.00 21.90% 42.18% 3.04 Sandra Schroeder (618) 877-1712 3/5/1997 102 60 Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (618) 877-1712 3/5/1998 99 72 Malta Bend R-V \$48,000.00 19.51% 39.68% 2.34 Melissa Vesser (660) 595-2371 7/28/1998 75 49 Moniteau Co. R-I High School \$182,865.00 17.00% 27.51% 3.50 Marty Albertson (573) 766-42278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 7/6/1993 98 74 Moundridge Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neoga CUSD #3 Elementary \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 43 North Callaway R-I Auxvasse Elementary \$75,500.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 60 50 North Callaway R-I Matton/McCredie Elem. \$71,500.00 15.88% 27.98% 8.94 Bryan Thomsen (573) 386-2214 6/15/1998 67 49										
Lincoln USD #298 High School \$119,169.00 23.62% 25.35% 3.60 Gary Nelson (785) 524-4436 11/28/2003 85 47 Lorraine-Holyrood #328 \$71,650.00 15.37% 31.28% 3.23 Lenny Gales (785) 472-5241 9/12/2000 72 56 Lorraine-Quivera Heights \$73,550.00 14.85% 23.69% 2.92 Lenny Gales (785) 472-5241 9/12/2000 71 63 Lorraine-Wilson Complex \$98,550.00 16.43% 24.16% 2.42 Lenny Gales (785) 472-5241 8/3/2000 70 57 Madison Cusd #12-Middle \$198,213.00 21.90% 42.18% 3.04 Sandra Schroeder (618) 877-1712 3/5/1997 102 60 Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (618) 876-7010 8/20/1998 99 72 Malta Bend R-V \$48,000.00 19.51% 39.68% 2.34 Melissa Vesser (660) 595-2371 7/28/1998 75 49 Moniteau Co. R-I High School \$182,865.00 17.00% 27.51% 3.50 Marty Albertson (573) 796-2145 2/9/2005 88 57 Montgomery County-Jonesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 10/18/1993 98 74 Moundridge Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 6/12/2002 61 53 Montgomery County-Middle, High & Voc-Tech \$282,580.00 23.86% 41.33% 3.25 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neoga CUSD #3 Elementary \$75,500.00 18.43% 26.02% 7.28 Bryan Thomsen (573) 386-2214 6/11/1998 83 66 North Callaway R-I Hatton/McCredie Elem. \$71,500.00 18.43% 26.02% 7.63 Bryan Thomsen (573) 386-2214 6/15/1998 60 50 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 67 49	· · · · · · · · · · · · · · · · · · ·									
Lorraine-Holyrood #328 \$71,650.00 15.37% 31.28% 3.23 Lenny Gales (785) 472-5241 9/12/2000 72 56 Lorraine-Quivera Heights \$73,550.00 14.85% 23.69% 2.92 Lenny Gales (785) 472-5241 9/12/2000 71 63 Lorraine-Wilson Complex \$98,550.00 16.43% 24.16% 2.42 Lenny Gales (785) 472-5241 8/3/2000 70 57 Madison Cusd #12-Middle \$198,213.00 21,90% 42.18% 3.04 Sandra Schroeder (618) 877-1712 3/5/1997 102 60 Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (618) 876-7010 8/20/1998 99 72 Malia Bend R-V \$48,000.00 19.51% 39.68% 2.34 Melissa Vesser (660) 595-2371 7/28/1998 75 49 Moniteau Co. R-I High School \$182,865.00 17.00% 27.51% 3.50 Marty Albertson (573) 796-2145 2/9/2005 88 57 Montgomery County-Jonesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 10/18/1993 98 74 Moundridge Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 6/12/2002 61 53 Moundridge Middle, High & Voc-Tech \$282,580.00 23.86% 41.33% 3.25 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neoga CUSD #3 Elementary School \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 43 North Callaway R-I Hatton/McCrede Elem. \$71,500.00 18.43% 26.02% 7.63 Bryan Thomsen (573) 386-2214 6/11/1998 60 50 North Callaway R-I Hatton/McCrede Elem. \$71,500.00 15.88% 27.98% 8.94 Bryan Thomsen (573) 386-2214 6/25/1998 67 49										
Lorraine-Quivera Heights \$73,550.00 14.85% 23.69% 2.92 Lenny Gales (785) 472-5241 9/12/2000 71 63 Lorraine-Wilson Complex \$98,550.00 16.43% 24.16% 2.42 Lenny Gales (785) 472-5241 8/3/2000 70 57 Madison Cusd #12-Middle \$198,213.00 21.90% 42.18% 3.04 Sandra Schroeder (618) 877-1712 3/5/1997 102 60 Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (618) 876-7010 8/20/1998 99 72 Malta Bend R-V \$48,000.00 19.51% 39.68% 2.34 Melissa Vesser (660) 595-2371 7/28/1998 75 49 Moniteau Co. R-I High School \$182,865.00 17.00% 27.51% 3.50 Marty Albertson (573) 796-2145 2/9/2005 88 57 Moniteau Co. R-I High School \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgome										
Lorraine-Wilson Complex \$98,550.00 16.43% 24.16% 2.42 Lenny Gales (785) 472-5241 8/3/2000 70 57 Madison Cusd #12-Middle \$198,213.00 21.90% 42.18% 3.04 Sandra Schroeder (618) 877-1712 3/5/1997 102 60 Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (668) 876-7010 8/20/1998 99 72 Malta Bend R-V \$48,000.00 19.51% 39.68% 2.34 Melissa Vesser (660) 595-2371 7/28/1998 75 49 Moniteau Co. R-I High School \$182,865.00 17.00% 27.51% 3.50 Marty Albertson (573) 796-2145 2/9/2005 88 57 Montgomery County-Jonesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 10/18/1993 98 74 Mound						,				
Madison Cusd #12-Middle \$198,213.00 21.90% 42.18% 3.04 Sandra Schroeder (618) 877-1712 3/5/1997 102 60 Madison Cusd #12-High \$196,608.00 17.04% 18.56% 9.01 Sandra Schroeder (618) 876-7010 8/20/1998 99 72 Malta Bend R-V \$48,000.00 19.51% 39.68% 2.34 Melissa Vesser (660) 595-2371 7/28/1998 75 49 Monitgamery County-Jonesburg \$182,865.00 17.00% 27.51% 3.50 Marty Albertson (573) 564-2278 7/6/1993 45 39 Montgomery County-Jonesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 7/6/1993 45 39 Moundridge Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 10/18/1993 98 74 Moundr										
Malta Bend R-V \$48,000.00 19.51% 39.68% 2.34 Melissa Vesser (660) 595-2371 7/28/1998 75 49 Moniteau Co. R-I High School \$182,865.00 17.00% 27.51% 3.50 Marty Albertson (573) 796-2145 2/9/2005 88 57 Montgomery County-Jonesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 10/18/1993 98 74 Moundridge Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 6/12/2002 61 53 Moundridge Middle, High & Voc-Tech \$282,580.00 23.86% 41.33% 3.25 Chad Higgens (620) 345-8611 6/12/2002 61 53 Morth Callaway R-I Auxvasse Elementary \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 43 <tr< td=""><td>Madison Cusd #12-Middle</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>102</td><td>60</td></tr<>	Madison Cusd #12-Middle								102	60
Moniteau Co. R-I High School \$182,865.00 17.00% 27.51% 3.50 Marty Albertson (573) 796-2145 2/9/2005 88 57 Montgomery County-Jonesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 10/18/1993 98 74 Moundridge Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 6/12/2002 61 53 Moundridge Middle, High & Voc-Tech \$282,580.00 23.86% 41.33% 3.25 Chad Higgens (620) 345-8611 1/11/5/2001 41 33 North Callaway R-I Belmentary School \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 43 North Callaway R-I Auxvasse Elementary \$75,500.00 13.30% 18.92% 7.28 Bryan Thomsen (573) 386-2214 6/11/1998 62 44	Madison Cusd #12-High						(618) 876-7010		99	72
Montgomery County-Jonesburg \$8,539.00 10.00% 11.51% 9.25 Tom Ward (573) 564-2278 7/6/1993 45 39 Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 10/18/1993 98 74 Moundridge Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 6/12/2002 61 53 Moundridge Middle, High & Voc-Tech \$282,580.00 23.86% 41.33% 3.25 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neega CUSD #3 Elementary School \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 43 North Callaway R-I Auxvasse Elementary \$75,500.00 13.30% 18.92% 7.28 Bryan Thomsen (573) 386-2214 6/11/1998 83 66 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 60 50										
Montgomery County-Middle/High \$112,694.00 20.00% 20.36% 5.04 Tom Ward (573) 564-2278 10/18/1993 98 74 Moundridge Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 6/12/2002 61 53 Moundridge Middle, High & Voc-Tech \$282,580.00 23.86% 41.33% 3.25 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neoga CUSD #3 Elementary School \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 43 North Callaway R-I Auxvasse Elementary \$75,500.00 13.30% 18.92% 7.28 Bryan Thomsen (573) 386-2214 6/11/1998 83 66 North Callaway R-I Hatton/McCredie Elem. \$71,500.00 18.43% 26.02% 7.63 Bryan Thomsen (573) 386-2214 6/15/1998 62 44 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 67							· /			
Moundridge Elementary \$96,827.00 23.71% 24.95% 4.50 Chad Higgens (620) 345-8611 6/12/2002 61 53 Moundridge Middle, High & Voc-Tech \$282,580.00 23.86% 41.33% 3.25 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neoga CUSD #3 Elementary School \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 43 North Callaway R-I Auxvasse Elementary \$75,500.00 13.30% 18.92% 7.28 Bryan Thomsen (573) 386-2214 6/11/1998 83 66 North Callaway R-I Hatton/McCredie Elem. \$71,500.00 18.43% 26.02% 7.63 Bryan Thomsen (573) 386-2214 6/15/1998 62 44 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 60 50 North Callaway R-I Williamsburg Elementary \$69,000.00 15.88% 27.98% 8.94 Bryan Thomsen (573) 386-2214 6/25/1998										
Moundridge Middle, High & Voc-Tech \$282,580.00 23.86% 41.33% 3.25 Chad Higgens (620) 345-8611 11/15/2001 41 33 Neoga CUSD #3 Elementary School \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 43 North Callaway R-I Auxvasse Elementary \$75,500.00 13.30% 18.92% 7.28 Bryan Thomsen (573) 386-2214 6/11/1998 83 66 North Callaway R-I Hatton/McCredie Elem. \$71,500.00 18.43% 26.02% 7.63 Bryan Thomsen (573) 386-2214 6/15/1998 62 44 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 60 50 North Callaway R-I Williamsburg Elementary \$69,000.00 15.88% 27.98% 8.94 Bryan Thomsen (573) 386-2214 6/25/1998 67 49										
Neoga CUSD #3 Elementary School \$78,904.00 19.90% 25.17% 7.17 Charles Castle (217) 895-2201 4/21/03 62 43 North Callaway R-I Auxvasse Elementary \$75,500.00 13.30% 18.92% 7.28 Bryan Thomsen (573) 386-2214 6/11/1998 83 66 North Callaway R-I Hatton/McCredie Elem. \$71,500.00 18.43% 26.02% 7.63 Bryan Thomsen (573) 386-2214 7/8/1998 62 44 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 60 50 North Callaway R-I Williamsburg Elementary \$69,000.00 15.88% 27.98% 8.94 Bryan Thomsen (573) 386-2214 6/25/1998 67 49										
North Callaway R-I Auxvasse Elementary \$75,500.00 13.30% 18.92% 7.28 Bryan Thomsen (573) 386-2214 6/11/1998 83 66 North Callaway R-I Hatton/McCredie Elem. \$71,500.00 18.43% 26.02% 7.63 Bryan Thomsen (573) 386-2214 7/8/1998 62 44 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 60 50 North Callaway R-I Williamsburg Elementary \$69,000.00 15.88% 27.98% 8.94 Bryan Thomsen (573) 386-2214 6/25/1998 67 49						- 00				
North Callaway R-I Hatton/McCredie Elem. \$71,500.00 18.43% 26.02% 7.63 Bryan Thomsen (573) 386-2214 7/8/1998 62 44 North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 60 50 North Callaway R-I Williamsburg Elementary \$69,000.00 15.88% 27.98% 8.94 Bryan Thomsen (573) 386-2214 6/25/1998 67 49										
North Callaway R-I High School \$114,000.00 13.36% 37.79% 3.25 Bryan Thomsen (573) 386-2214 6/15/1998 60 50 North Callaway R-I Williamsburg Elementary \$69,000.00 15.88% 27.98% 8.94 Bryan Thomsen (573) 386-2214 6/25/1998 67 49						-				
North Callaway R-I Williamsburg Elementary \$69,000.00 15.88% 27.98% 8.94 Bryan Thomsen (573) 386-2214 6/25/1998 67 49						-				
	North Callaway R-I Williamsburg Elementary					-				
	Ozark R-VI East Elementary					-				

Facility	Cost	Projected	Actual	Simple	Primary	Phone	Installation	KBTU P	er Squa
<u></u>	0001	Savings	Savings	Payback	Contact	1 110110	Date		Per Year
	(\$)	(%)	(%)	(# Years)				Before	After
zark R-VI North Elementary	\$142,172.00	18.38%	28.58%	3.75	Kevin Patterson	(417) 582-5900	3/15/2007	69	50
Izark R-VI South Elementary Izark R-VI Junior High School	\$117,231.00 \$270,333.00	19.36% 24.65%	32.99% 36.15%	2.33	Kevin Patterson Kevin Patterson	(417) 582-5900 (417) 582-5900	4/26/2008 2/21/2007	42 43	28 29
zark R-VI High School	\$365,611.00	26.11%	25.98%	2.92	Kevin Patterson	(417) 582-5900	2/23/2007	65	52
eabody-Burns USD #398 Elementary	\$85,969.00	26.28%	30.42%	4.94	Rex Watson	(620) 983-2198	12/10/2004	72	49
eabody-Burns USD #398 Brown Building	\$61,980.00	24.52%	25.61%	4.17	Rex Watson	(620) 983-2198	12/23/2004	32	24
eabody-Burns USD #398 Middle-High	\$120,000.00	24.52%	43.98%	4.00	Rex Watson	(620) 983-2198	12/23/2004	61	32
uinter USD #293 Elementary	\$129,836.00	21.24%	24.19%	5.18	Tom Herman	(785) 754-3660	4/5/2004	80	61
Ruinter USD #293 Jr-Sr High School	\$118,796.00	20.35%	29.44%	3.33	Tom Herman	(785) 754-3660	6/4/2004	94	66
leeds Spring R-IV Primary School leeds Spring R-IV Elementary School	\$158,052.00 \$170,918.00	18.14% 25.00%	20.49% 28.13%	6.67 5.33	Michael Mason Michael Mason	(417) 272-8173 (417) 272-8173	6/28/2006 3/6/2006	42 47	35 40
reeds Spring R-IV Intermediate School	\$170,918.00	12.15%	17.73%	7.00	Michael Mason	(417) 272-8173	6/2/2006	39	34
leeds Spring R-IV Middle & Tech School	\$225,117.00	25.25%	36.55%	3.50	Michael Mason	(417) 272-8173	4/25/2006	68	51
eeds Spring R-IV High School	\$227,618.00	23.49%	25.42%	4.92	Michael Mason	(417) 272-8173	2/1/2006	70	53
eeds Spring R-IV Admin. & Alternative School	\$29,963.00	23.75%	26.51%	4.17	Michael Mason	(417) 272-8173	4/17/2006	63	44
eeds Spring R-IV Sports Facility	\$15,872.00	23.22%	42.53%	1.92	Michael Mason	(417) 272-8173	2/2/2006	127	82
ichmond R-XVI Middle School	\$118,437.00	17.64%	35.81%	2.17	Jim Robins	(816) 776-6912	6/23/2004	93	42
ichmond R-XVI High School olla Public Schools - Administration**	\$124,612.00 \$16,600.00	18.77% 20.00%	26.14% 42.32%	2.67 2.36	Jim Robins Aaron Zalis	(816) 776-6912 (573) 364-1329	6/15/2004 7/18/1996	85 N/A	46 N/A
tolla Public Schools - Administration tolla Public School - Allied Health**	\$16,600.00	20.00%	42.32%	2.36	Aaron Zalis Aaron Zalis	(573) 364-1329	12/10/1998	N/A N/A	N/A
colla Public School - High School**	\$160,250.00	20.00%	42.32%	2.36	Aaron Zalis	(573) 364-4746	9/16/1992	N/A	N/A
colla Public School - Vo Tech**	\$34,000.00	20.00%	42.32%	2.36	Aaron Zalis	(573) 364-3726	4/23/1990	N/A	N/A
olla Public School - Junior High**	\$32,380.00	20.00%	42.32%	2.36	Aaron Zalis	(573) 364-3014	4/23/1990	N/A	N/A
olla Public School - Middle School**	\$105,500.00	20.00%	42.32%	2.36	Aaron Zalis	(573) 364-2151	9/2/1992	N/A	N/A
olla Public School - Truman Elementary**	\$66,000.00	20.00%	42.32%	2.36	Aaron Zalis	(573) 364-8193	4/23/1990	N/A	N/A
tussell County USD #407 Admin Office	\$23,085.00	24.73%	27.86%	3.67	David Couch	(785) 483-2173	12/31/2008	141	80
russell County USD #407 Brickerdyke Elem russell County USD #407 Luray-Lucas Elem	\$74,205.00 \$43,076.00	23.37%	21.05% 23.55%	5.67 5.50	David Couch David Couch	(785) 483-2173 (785) 483-2173	9/18/2009 8/26/2008	93 97	65 70
ussell County USD #407 Euray-Lucas Elem	\$43,076.00	24.02%	23.55%	4.33	David Couch	(785) 483-2173	11/4/2008	117	70
ussell County USD #407 Simpson Elem	\$134,797.00	17.93%	NEW	NEW	David Couch	(785) 483-2173	NEW	65	NEV
russell County USD #407 Lucas-Luray High	\$100,408.00	23.33%	NEW	NEW	David Couch	(785) 483-2173	NEW	83	NEV
ussell County USD #407 Russell High	\$247,460.00	20.17%	20.05%	4.25	David Couch	(785) 483-2173	12/17/2009	174	144
ilver Lake West Elementary #372	\$37,500.00	19.26%	27.53%	5.50	Randy Freeman	(785) 582-4026	1/11/2001	112	79
ilver Lake East Elementary	\$94,000.00	20.86%	32.35%	3.33	Randy Freeman	(785) 582-4026	1/11/2001	164	100
ilver Lake High School	\$189,599.00	20.00%	34.89%	8.83	Randy Freeman	(785) 582-4026	8/15/2001	107	58
terling USD #376 Grade School	\$80,273.00	27.48%	18.14%	4.08	Fred Dierksen	(620) 278-3621	12/29/2003	144	111
terling USD #376 Middle-High School tewartsville C-2 Elementary & High	\$109,416.00 \$87,647.00	13.49% 14.83%	31.13% 24.61%	2.50 4.68	Fred Dierksen Allen Kerr	(620) 278-3621 (816) 669-3792	2/12/2004 9/22/1999	76 63	49 48
ullivan C-2-Primary School	\$123,227.00	20.00%	32.28%	3.84	Tanya Voss	(573) 468-5171	3/2/2002	65	44
ullivan C-2-Middle School	\$166,315.00	24.16%	29.86%	3.75	Tanya Voss	(573) 468-5171	8/28/2003	77	49
ullivan C-2-High School	\$460,674.00	17.07%	27.21%	5.00	Tanya Voss	(573) 468-5171	5/31/2005	60	42
an-Far R-I - Elementary	\$61,916.00	19.44%	29.30%	4.41	Christopher Felmlee	(573) 594-6111	7/20/1995	97	50
an-Far R-I - High	\$101,192.00	25.00%	37.54%	4.95	Christopher Felmlee	(573) 594-6111	11/10/1995	102	52
Vaconda USD #272 at Downs	\$107,365.00	23.21%	23.67%	3.42	Jeff Travis	(785) 781-4328	11/11/2005	80	68
Vaconda USD #272 at Cawker City	\$97,558.00	23.83%	25.10%	5.58	Jeff Travis	(785) 781-4328	11/11/2005	89	64
/aynesville East Elementary /aynesville Middle School	\$61,519.98 \$109,098.38	19.60% 15.00%	56.01% 52.13%	0.78 1.05	Judne Blackburn Judne Blackburn	(573) 774-6169 (573) 774-6169	7/23/1993 9/17/1993	68 118	60 95
Vaynesville Early Childhood Center	\$74,384.72	10.00%	15.00%	6.29	Judne Blackburn	(573) 774-6169	11/4/1994	71	95 58
/illiam Woods University 12 Buildings	\$71,552.05	15.00%	20.00%	5.00	Mike Dillon	(573) 642-2251	Various	N/A	N/A
/infield R-IV Primary School	\$41,070.08	20.00%	NEW	NEW	Martha McAdams	(636) 668-8188	10/15/2005	65	N/A
/infield R-IV Middle School	\$37,150.83	20.00%	NEW	NEW	Martha McAdams	(636) 668-8188	10/15/2005	65	N/A
/infield R-IV High School	\$99,750.00	18.34%	18.38%	2.00	Martha McAdams	(636) 668-8188	3/15/2004	71	60
/infield R-IV High School Addition	\$46,712.44	18.34%	NEW	NEW	Martha McAdams	(636) 668-8188	9/10/2005	71	NEV
VEDACE	#111 0/0 	00.0001	00.0001	4.00					
<u>VERAGE</u>	\$111,363.77	20.30%	29.99%	4.00				82	57
Savings Analysis Completed by School Dist	trict							100%	709
Savings Analysis Completed by School Dist	IIICI								
TC system installations shown in BLUE had	l operating night s	etback system	ı ıs removed at	t the time of t	he CTC system install:	ation. The CTC s	vstem		
avings is above and beyond the night setbac					5 / 5 5 Jotom moldin		, 3.0		
grand and any one the ringht settlet			,						
TC system installations shown in RED had	operating Direct D)igital Control ((DDC) system	ns removed a	at the time of the CTC s	system installation	l.		
ne CTC system savings is above and beyon									
, ,		<u>_</u>		,					
he percent dollar savings may differ from KE	BTU per SF per Y	R reduction de	pending upor	n if the CTC:	system is primarly a co	nsumption, electri	ic		
amand ar combination concumution and dou	mand savings CT	C system.							
emand or combination consumption and der									
emand or combination consumption and der									
	tion contac	ct the Fu	Iton Fno	ineerin	Office at (57	3)642-6550			
For further informa	tion contac	ct the Fu	lton Eng	<u>ineerin</u>	g Office at (57	<u>3)642-6550</u>			
For further informa						<mark>3)642-6550</mark>			
For further informa	tion contact					<u>3)642-6550</u>			