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CITY COUNCIL AGENDA

Tuesday, May 3, 2011
7:00 p.m.

1. CALL TO ORDER

- A. Roll Call
- B. Invocation
- C. Pledge of Allegiance

2. MAYOR AND COUNCIL REPORTS

3. STAFF REPORTS

- A. City Attorney Report
- B. Administrator Report
 - 1. Manske Project
 - 2. Power Plant Cooling Tower
 - 3. K-14 Project
 - 4. Mill Street Project
 - 5. New LEC Project.

4. PUBLIC COMMENT

5. CONSENT AGENDA

- A. 4/19/2011 City Council Meeting Minutes
- B. Appropriations 5A

6. ORDINANCES

- A.

7. RESOLUTIONS

- A.

8. FORMAL ACTIONS

- A. City Insurance
- B. CT Metering
- C. Summer Hiring
- D. Schwab-Eaton Contract Water Lines
- E. Unfit Structures – Terry Amerine

9. CLOSED SESSION

- A. Preliminary Consideration on Non-Elected Personal

10. ADJOURNMENT

WORK SESSION AGENDA

1. CORRESPONDENCE AND STAFF REPORTS

- A. 2011 1ST Quarter Treasurers Report
- B. April Community Development Report
- C. City Attorney Report
- D. City Administrator Report

2. DISCUSSION ITEMS

- A. Verlin Kolman – Library
- B. Property Maintenance Code
- C. Utility Rates
- D. Council Retreat
- E. COLA Raises

3. ADJOURNMENT

NOTE: Background information is available for review in the office of the City Clerk prior to the meeting.

The Public Comment section is to allow members of the public to address the Council on matters pertaining to any business within the scope of Council authority and not appearing on the Agenda. Kansas Statutes prohibit the Council from taking action on any item not appearing on the Agenda, except where an emergency is determined to exist.

BELOIT CITY COUNCIL MEETING MINUTES
April 19, 2011

The Beloit City Council met in regular session on April 19, 2011 in the Council Chambers. Mayor Rebecca Koster called the meeting to order at 7:00 p.m. City Council members in attendance were James Crowley, Bob Richard, Matt Otte, Rick Brown, Tom Naasz, Pat Struble, and Frank Delka. Also present were, City Administrator Glenn Rodden, City Attorney Brenon Odle, and City Clerk Amanda Lomax. Denis Shumate was absent from the meeting.

Department heads in attendance were Murray McGee, Lynn Miller, Kendal Francis, Mike Haeffele, and Chris Jones.

Mayor Koster gave the invocation and the Pledge of Allegiance was recited.

Mayor Koster asked City Administrator Glenn Rodden about the parking situation by OCCK; City Administrator Rodden responded that it was private parking and the City could not do anything to remedy the parking situation. Councilor Delka thought the Chamber of Commerce did a good job putting on the Farm Home and Garden Show. Councilor Crowley wanted a print out on what has been spent so far on the North Campus. Councilor Crowley commented that he seen a job opening for an apprentice lineman in the paper and thought it was agreed that Council would approve a new electric hire. Councilor Richard asked City Administrator Rodden about looking into the City's long distance plan with Cunningham to see if there were better rates. Councilor Richard attended the 12th Judicial Juvenile Correction meeting; the meeting was over budget cuts and the state is asking for employees to get fallowed for 40 days.

City Administrator Rodden reported on the following items: 1. Cooling Towers Wilson & Company will be doing the engineering for this project and have not heard anything recent from them on the project. 2. City Administrator Rodden gave a tour of the cafeteria at the North Campus to some Library Board members. 3. Manske project is moving forward they should have a schedule for road improvements and sewer and waterlines construction. 4. Last week there was a luncheon for the pool project. Rick Ensz was present to explain the bond issuance and the sales tax for the pool project.

The Consent Agenda consisted of April 5, 2011 Council Meeting Minutes, and Appropriations 4B. Councilor Otte pointed out a typo on the fourth paragraph. A motion was made by Councilor Richard and seconded by Councilor Otte to approve the Consent Agenda in its entirety. Roll call vote: Yeas: Brown, Struble, Richard, Otte, Delka, Naasz, and Crowley. Nays: None.

Resolution 4-2011 Mayor Appointments was brought to Council for approval; appointments consisted of Brenon Odle for City Attorney, Bonnie Wilson for Municipal Court Judge, Dr Chris Marozas for Health Officer, Beloit Call for Official City Newspaper, John Cashatt for City Engineer, Ginny Underhill, Tammy Emmot, and Teri Pollet for Tree Board, Verlin Kolman, and Jeri Bates for Library Board, Bob Petterson and Kathy Roberts for Planning Commission, Kelly

Kimmerer and Roxanne Kimminau for Recreation Commission, and Frank Waggoner for Sunnyslope Housing Authority. A motion was made by Councilor Otte and seconded by Councilor Naasz to approve Resolution 4-2011 Mayor Appointments. Roll call vote: Yeas: Crowley, Brown, Naasz, Struble, Delka, Richard, and Otte. Nays: None.

A motion was made by Councilor Crowley elect Councilor Naasz as Council President and Councilor Brown seconded the motion. A motion was made by Councilor Richard to approve Councilor Naasz as Council President the motion was seconded by Councilor Delka. Motion carried 7-0. Nays: None.

Staff is recommending Council approve KMEA Director Appointments with City Administrator Glenn Rodden as Director #1, Director of Electric Operations Ronald Sporleder as Director #2, and Power Plant Foreman Henry Eilert as an Alternate. A motion was made by Councilor Crowley and seconded by Councilor Struble to approve KMEA Director Appointments. Motion carried 7-0. Nays: None.

Staff is recommending Council approve COLA adjustments for City Employees of 2.2% increase in wages. A motion was made by Councilor Richard and seconded by Councilor Otte to table the COLA adjustments. The COLA adjustments will be brought back next council meeting on the work session for more discussion. Motion carried 5-2. Nays: Otte and Struble.

Staff is recommending Council approve an Airport Expansion Contract with Alfred Benesch & Company (formerly HWS Engineering) for engineering services for the airport. The cost for the contract is \$314,087.00. The FAA will pay 95% of the contract and the City of Beloit pay for the remaining 5% which would be \$15,704.35 of City money. The contract for the engineering services is for the widening of the runway at the airport. A motion was made by Councilor Crowley and seconded by Councilor Struble to approve the Airport Expansion with Alfred Benesch & Company. Motion carried 6-1. Nays: Otte.

A motion was made by Councilor Crowley and seconded by Councilor Brown to adjourn the Council Meeting. Motion passed 7-0. The meeting ended at 7:52 p.m.

The work session began at 7:55 p.m. Present were Councilors Brown, Delka, Struble, Richard, Crowley, Naasz, and Otte. Also present were City Administrator Rodden, City Attorney Brenon Odle, and City Clerk Amanda Lomax. Denis Shumate was absent from the meeting.

Department heads in attendance were Murray McGee, Chris Jones, Kendal Francis, Mike Haeffele, and Ryan Stocker.

Stuart Porter with Schwab-Eaton presented Council with a cost estimate proposal for the waterline project. Mr. Porter was recommending three phases for the project with Phase I dealing with the worst case first. Phase I would be the replacing of cast iron pipes starting at 4th and Western to Baldwin to Court to Elm then Cherry and South to Clinton and waterlines from Baldwin to Independence. Phase I of the waterline project cost estimate is \$1.1 million,

Phase II cost estimate is \$2.2 to \$2.6 million, and Phase III cost estimate is \$1.3 to \$1.7 million. Mr. Porter will bring back an engineering contract next meeting.

City Administrator Glenn Rodden gave a Power point presentation to the Council regarding utility rates. City Administrator Rodden went over the current utility rates and would like to pass on the franchise fees onto the utility bills.

Code Enforcement Officer, Chris Jones, was present to talk to the Council about a property maintenance code. Chris Jones presented to Council a possible ordinance that was drafted by City Attorney Brenon Odle and himself. The ordinance will be brought back next meeting with proposed changes.

Terry Amerine, owner of the properties located at 316 and 320 W 3rd Street. The properties were deemed unfit structures by Council with Resolution 3-2011 on January 18, 2011 giving the property owner 60 days to either repair or remove structures. Mr. Amerine is requesting an additional 60 days to repair the structures; the request will be brought back next Council meeting for approval.

Work Session Ended 9:16 p.m.

REBECCA KOSTER, Mayor

ATTEST:

AMANDA LOMAX, City Clerk

Accounts Payable Detail Listing

City of Beloit

<u>Vend#</u>	<u>Vendor Name</u>	<u>Pay#</u>	<u>Post Date</u>	<u>Due Date</u>	<u>Amount</u>	<u>Invoice</u>	<u>Date</u>	<u>PO#</u>	<u>Date</u>	<u>Status</u>
			<u>Account#</u>	<u>Work Order</u>		<u>Description</u>			<u>Debit</u>	<u>Credit</u>
6	ABRAM READY-MIX									
45905		5/5/2011	5/5/2011		352.72	5728	4/6/2011	7144		Posted
			30-00-8100			8yds concrete for 10th & Mill			352.72	0.00
45953		5/5/2011	5/5/2011		872.91	5810	4/19/2011	7313		Posted
			30-00-8100			11 yds flowable			484.99	0.00
			30-00-8200			4 yds concrete			387.92	0.00
									872.91	0.00
45954		5/5/2011	5/5/2011		1,517.67	5840	4/20/2011	7311		Posted
			30-00-8200			33yds flowable for Mill St.			1,517.67	0.00
45978		5/5/2011	5/5/2011		6,837.33		4/1/2011	7316		Posted
			30-00-8100			#5787, 6 yds flowable			264.54	0.00
			30-00-8200			#5787, 22 yds flowable			1,011.78	0.00
			30-00-8200			#5789 33 yds flowable			1,517.67	0.00
			30-00-8200			#5792, 22 yds flowable			1,011.78	0.00
			30-00-8200			#5797, 21 yds flowable			1,008.00	0.00
			30-00-8200			#5800, 44 yds flowable			2,023.56	0.00
									6,837.33	0.00
46025		5/5/2011	5/5/2011		5,472.81		4/21/2011	7317		Posted
			30-00-8100			#5858 5 yds flowable			229.95	0.00
			30-00-8200			#5858 48 yds flowable			2,207.52	0.00
			30-00-8200			#5857 66 yds flowable			3,035.34	0.00
									5,472.81	0.00
8	ACE HARDWARE									
46024		5/5/2011	5/5/2011		18.00	391566	3/11/2011	6362		Posted
			10-13-6000			7 keys for PD vehicles			18.00	0.00
9	ACKERMAN SUPPLY									
45918		5/5/2011	5/5/2011		5.49	204271	4/13/2011	5882		Posted
			53-43-6000			female MTL hose end			5.49	0.00
767	AIRGAS MID SOUTH INC									
45987		5/5/2011	5/5/2011		89.44	106908306	3/31/2011	6020		Posted
			53-41-6230			bottle rental for power plant			89.44	0.00
21	ALCO-DUCKWALL STORES INC									
46017		5/5/2011	5/5/2011		89.14		3/31/2011	6357		Posted
			10-11-6000			221-06724 supplies & water			58.61	0.00
			10-11-6000			221-06601 supplies			30.53	0.00
									89.14	0.00
813	AMERIPRIDE LINEN SERVICES									
45919		5/5/2011	5/5/2011		67.42	2300012818	4/15/2011	5881		Posted
			53-43-3000			shop rags, mops & mats			67.42	0.00
45933		5/5/2011	5/5/2011		46.14	2300015510	4/22/2011	5890		Posted
			53-43-6000			shop towels, mats & mop service			46.14	0.00
2324	KEITH ANDERSON									
45948		5/5/2011	5/5/2011		13.00		4/25/2011	5856		Posted
			52-43-2400			learner's permit for CDL			13.00	0.00
1124	APAC-KANSAS INC									
45898		5/5/2011	5/5/2011		1,123.90	8001118963	4/19/2011	6688		Posted
			25-00-6160			1/2" quartzite chips			1,123.90	0.00
45914		5/5/2011	5/5/2011		1,183.01	8001117762	4/13/2011	6683		Posted
			25-00-6160			1/2" Quartzite chips			1,183.01	0.00
46029		5/5/2011	5/5/2011		1,765.04		3/30/2011	6458		Posted
			25-00-6160			#8001120192 1/2 quartzite chips			583.84	0.00
			25-00-6160			#8001114875 1/2 quartzite chips			1,181.20	0.00
									1,765.04	0.00
1414	AT&T LONG DISTANCE									
45930		5/5/2011	5/5/2011		2.88	836515105-5	4/13/2011	7489		Posted
			10-11-5310			Long distance BAN account			2.88	0.00
64	BELOIT AUTO AND TRUCK PLAZA									
45901		5/5/2011	5/5/2011		41.79	117750	4/15/2011	6240		Posted
			51-43-4310			relay for truck #65			41.79	0.00
45927		5/5/2011	5/5/2011		39.96	117746	4/14/2011	5766		Posted
			10-13-4310			2 door latches			39.96	0.00

Accounts Payable Detail Listing

City of Beloit

Vend# Vendor Name											
Pay#	Post Date	Due Date	Amount	Invoice	Date	PO#	Date	Status	Debit	Credit	
	Account#	Work Order		Description							
511 BELOIT LIONS CLUB (continued)											
45977	5/5/2011	5/5/2011	140.00		4/11/2011			Posted			
	10-11-5410			CHRIS JONES MEMBERSHIP			70.00		70.00	0.00	
	10-15-5410			MIKE HAEFFLE MEMBERSHIP			70.00		70.00	0.00	
							140.00		140.00	0.00	
74 BELOIT MEDICAL CENTER											
45903	5/5/2011	5/5/2011	110.00	820	4/20/2011	7145		Posted			
	51-41-3000			Physical for Jerry Leonard			110.00		110.00	0.00	
80 BELOIT TYPEWRITER EXCHANGE											
45917	5/5/2011	5/5/2011	42.19		4/18/2011	5884		Posted			
	53-43-6110			#670181 file holders			22.20		22.20	0.00	
	53-43-6110			#671147 box of file folders			19.99		19.99	0.00	
							42.19		42.19	0.00	
45924	5/5/2011	5/5/2011	66.99	670158	4/15/2011	5763		Posted			
	10-13-6110			fax toner cartridge			66.99		66.99	0.00	
45929	5/5/2011	5/5/2011	47.69	670164	4/15/2011	7500		Posted			
	10-11-6110			printer cartridges			47.69		47.69	0.00	
45931	5/5/2011	5/5/2011	3.00	670159	4/15/2011	6767		Posted			
	10-12-6110			pen refills			3.00		3.00	0.00	
45934	5/5/2011	5/5/2011	37.99	718583	4/25/2011	5895		Posted			
	53-43-6110			1 case of copy paper			37.99		37.99	0.00	
45950	5/5/2011	5/5/2011	59.01	718570	4/22/2011	6159		Posted			
	52-41-6110			2 printer cartridges			59.01		59.01	0.00	
45958	5/5/2011	5/5/2011	34.80	670156	4/15/2011	6113		Posted			
	10-17-6110			pinter ink cartridge & clamps			34.80		34.80	0.00	
45972	5/5/2011	5/5/2011	18.93		4/22/2011	6345		Posted			
	10-11-6110			#718574 paper clips			2.70		2.70	0.00	
	10-11-6110			#718573 binder & index cards			16.23		16.23	0.00	
							18.93		18.93	0.00	
45981	5/5/2011	5/5/2011	94.81	671095	4/7/2011	7308		Posted			
	53-41-7460			printer cartridges			94.81		94.81	0.00	
46018	5/5/2011	5/5/2011	15.25	671003	3/25/2011	6356		Posted			
	10-13-6110			stapler			15.25		15.25	0.00	
46020	5/5/2011	5/5/2011	607.95		4/18/2011	7321		Posted			
	51-41-4320			computer repair & ribbon			303.98		303.98	0.00	
	52-41-4330			computer repair & ribbon			303.97		303.97	0.00	
							607.95		607.95	0.00	
91 BOETTCHER SUPPLY INC											
45907	5/5/2011	5/5/2011	14.89	678444-1	4/19/2011	6685		Posted			
	10-15-7450			3 1/4" hole saw			14.89		14.89	0.00	
45935	5/5/2011	5/5/2011	172.55	678775-1	4/20/2011	5891		Posted			
	53-43-8300			vinyl electric, blue-red-orange marking tape			172.55		172.55	0.00	
45960	5/5/2011	5/5/2011	249.14		4/13/2011	6115		Posted			
	10-18-4330			676982-1 repair leak at SC water system			25.49		25.49	0.00	
	10-18-4330			678236-1 water system valve cover			74.65		74.65	0.00	
	10-17-6800			679529-1 scoreboard light bulbs			149.00		149.00	0.00	
							249.14		249.14	0.00	
45982	5/5/2011	5/5/2011	160.29		4/26/2011	6016		Posted			
	53-41-4360			#679799-1 belts			143.84		143.84	0.00	
	53-41-4360			#679002-1 contractor pocketpro			16.45		16.45	0.00	
							160.29		160.29	0.00	
256 BRENTAG SOUTHWEST INC											
46027	5/5/2011	5/5/2011	3,101.01	BSW251576	4/20/2011	7139		Posted			
	51-41-6170			Poly, Carbon, Alum Sulfate - Chemicals			3,101.01		3,101.01	0.00	
1804 AUSTIN BUDKE											
45941	5/5/2011	5/5/2011	96.00		4/18/2011	6106		Posted			
	10-17-6800			Soccer referee for 12 games			96.00		96.00	0.00	
1258 BUMPER TO BUMPER AUTO PARTS											
45920	5/5/2011	5/5/2011	21.93	547795	4/5/2011	5883		Posted			
	53-43-4310			thermostat			21.93		21.93	0.00	

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City of Beloit

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			<u>Account#</u>	<u>Work Order</u>		<u>Description</u>			<u>Debit</u>	<u>Credit</u>
123	CALIFORNIA CONTRACTOR SUPPLY (continued)									
45911		5/5/2011	53-43-8300	5/5/2011	598.00	32477 underground warning tap	4/12/2011	5886	598.00	Posted 0.00
124	CARRICO IMPLEMENT									
45902		5/5/2011	52-41-4360	5/5/2011	49.49	IA62417 new seat for Allis 655 loader	4/18/2011	6156	49.49	Posted 0.00
45985		5/5/2011	53-41-4360	5/5/2011	21.82	IA62088 hose & fittings for injector tester	4/27/2011	6013	21.82	Posted 0.00
126	CATLIN'S FRIENDLY APPLE MARKET									
45908		5/5/2011	10-15-6000	5/5/2011	33.80	4437 toilet paper & paper towels	4/20/2011	6684	33.80	Posted 0.00
45956		5/5/2011	10-17-6800	5/5/2011	112.02	8022 gatorade for soccer	4/15/2011	6111	112.02	Posted 0.00
45984		5/5/2011	53-41-6000	5/5/2011	98.43	2205 coffee, creamer, paper towels, cups	4/4/2011	6011	98.43	Posted 0.00
46022		5/5/2011	51-41-6000	5/5/2011	111.92	#4733 paper towels, toilet paper, coffee	4/21/2011	7318	94.52	Posted 0.00
			51-41-6000			#1232 bleach & pinesol			17.40	0.00
									111.92	0.00
1771	CIVICPLUS									
46038		5/5/2011	26-00-3360	5/5/2011	875.25	88882 Quarterly fee's for Economic Development	5/1/2011	6352	875.25	Posted 0.00
1501	ALLEN COLBY									
45943		5/5/2011	10-17-6800	5/5/2011	66.00	soccer referee for 6 games	4/18/2011	6919	66.00	Posted 0.00
2038	COMPRESSION SYSTEMS									
45979		5/5/2011	53-41-4360	5/5/2011	470.59	912529437 turbo tech shimpo gauge	4/18/2011	7274	470.59	Posted 0.00
2321	ALEX CONN									
45945		5/5/2011	10-17-6800	5/5/2011	77.00	soccer referee for 11 hours	4/18/2011	5917	77.00	Posted 0.00
431	CONTINENTAL ANALYTICAL SERVICE									
45949		5/5/2011	52-41-3000	5/5/2011	338.00	133668 March 2011 Influent/Effluent testing	4/8/2011	6158	338.00	Posted 0.00
1913	CROP PRODUCTION SERVICES									
45916		5/5/2011	52-41-6170	5/5/2011	84.00	215715 Tempo insect killer	4/13/2011	6157	84.00	Posted 0.00
193	DOLLAR GENERAL STORE-MSC-410526									
45963		5/5/2011	10-19-6000	5/5/2011	37.25	#1477946 first aid supplies for N Campus	4/13/2011	6119	25.25	Posted 0.00
			10-17-6800			#1570078 Earth Day prizes			12.00	0.00
									37.25	0.00
2254	ROBERT DRAKE									
45923		5/5/2011	10-12-3320	5/5/2011	37.00	Restitution for case #201000240	4/18/2011	6769	37.00	Posted 0.00
2320	JENNIFER DRUM									
45944		5/5/2011	10-17-6800	5/5/2011	77.00	Soccer referee for 11 hours	4/18/2011	6108	77.00	Posted 0.00
700	EMC INSURANCE COMPANY									
45976		5/5/2011	10-11-3000	5/5/2011	1,199.58	Claim Z00726642	4/14/2011	6341	117.72	Posted 0.00
			53-41-3000			Claim Z00742208			500.00	0.00
			53-43-3000			Claim Z00754076			500.00	0.00
			10-13-3000			Claim Z00756197			81.86	0.00
									1,199.58	0.00
387	FLEX ONE-AFLAC									
46037		5/5/2011	10-11-3000	5/5/2011	115.50	664615ER AFLAC/Flex Plan Benefits	4/15/2011	6367	115.50	Posted 0.00

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427	FOLEY EQUIPMENT INC (continued)									
45897		5/5/2011	5/5/2011	470.02		4/19/2011	6689			Posted
			25-00-4330			PCSL0919525 harness			198.82	0.00
			25-00-4330			PCSL0920042 film & contactor			271.20	0.00
									470.02	0.00
243	FRASIER AND JOHNSON LLC									
45932		5/5/2011	5/5/2011	88.88		4/11/2011	6768			Posted
			10-12-3000			Case #201100016			48.88	0.00
			10-12-3000			Case #201000290			40.00	0.00
									88.88	0.00
249	GANTENBEIN AND ODLE									
45971		5/5/2011	5/5/2011	1,393.35		4/19/2011	6346			Posted
			10-11-3000			#12435 Admin			230.85	0.00
			30-00-3000			#12436 Airport			1,162.50	0.00
									1,393.35	0.00
979	GENIE INDUSTRIES									
45906		5/5/2011	5/5/2011	1,639.67	3219562	4/15/2011	5888			Posted
			53-43-4330			transfer bracket weldment			1,639.67	0.00
1772	MACK GORMLY									
45940		5/5/2011	5/5/2011	15.89		4/25/2011	6245			Posted
			52-43-5800			meal reimbursment			15.89	0.00
297	HARRISON LAW OFFICE									
45913		5/5/2011	5/5/2011	100.00		4/19/2011	6770			Posted
			10-12-3000			Judge ProTem for Bonnie Wilson for 4/11/			100.00	0.00
1784	JOHN HIGHLAND									
45983		5/5/2011	5/5/2011	90.00		4/28/2011	7309			Posted
			53-41-2911			employee boot reimbursment			90.00	0.00
2325	HILLTOP LODGE									
45964		5/5/2011	5/5/2011	100.00	648975	4/26/2011	6109			Posted
			10-18-7310			Pine wilt removal assistance for tree			100.00	0.00
312	WAYNE HUGGINS									
45955		5/5/2011	5/5/2011	8.50	769636	4/15/2011	6110			Posted
			10-18-6000			Key for Muni for T Robinson			8.50	0.00
2157	R J JACKSON									
45942		5/5/2011	5/5/2011	72.00		4/18/2011	6916			Posted
			10-17-6800			Soccer referee for 8 games			72.00	0.00
1922	JNT COMPANY LLC									
45970		5/5/2011	5/5/2011	250.00	296	4/15/2011	6347			Posted
			10-11-3000			web sites hosting fee			250.00	0.00
2322	DEVON JONES									
45946		5/5/2011	5/5/2011	77.00		4/18/2011	6107			Posted
			10-17-6800			soccer referee for 11 hours			77.00	0.00
2326	KANSAS LABOR LAW POSTER SERVICE									
45988		5/5/2011	5/5/2011	67.25	1255665	4/28/2011	6018			Posted
			53-41-3000			2011 COMPLETE SET OF FED/STATE PC			67.25	0.00
394	KRIERS' AUTO PARTS									
45928		5/5/2011	5/5/2011	27.02	75155	4/6/2011	5765			Posted
			10-13-4310			wax, wax pads & polish cloth			27.02	0.00
46016		5/5/2011	5/5/2011	10.00	72379	3/1/2011	6358			Posted
			10-14-6000			mendtite sealer for fire dept.			10.00	0.00
395	KRIZ-DAVIS CO									
45912		5/5/2011	5/5/2011	156.29		4/13/2011	5885			Posted
			53-43-8300			S100161422.002 U-strap kit			16.71	0.00
			53-43-8300			S100164416.002 CPS Probe kit			139.58	0.00
									156.29	0.00
45922		5/5/2011	5/5/2011	916.23	S100164416.001	4/6/2011	5880			Posted
			53-43-8300			elbows, insulators & cable sealing kit			916.23	0.00

Accounts Payable Detail Listing

City of Beloit

<u>Vend#</u>	<u>Vendor Name</u>	<u>Pay#</u>	<u>Post Date</u>	<u>Due Date</u>	<u>Amount</u>	<u>Invoice</u>	<u>Date</u>	<u>PO#</u>	<u>Date</u>	<u>Status</u>
			<u>Account#</u>	<u>Work Order</u>			<u>Description</u>		<u>Debit</u>	<u>Credit</u>
2289	PAT KRUSE (continued)									
46030		5/5/2011	10-15-2400	5/5/2011	35.00		4/27/2011	6691		Posted
									35.00	0.00
2264	KVSV									
46036		5/5/2011	51-41-5400	5/5/2011	560.00		3/31/2011	6366		Posted
			53-43-5400						140.00	0.00
			52-41-5400						140.00	0.00
			51-41-5400						140.00	0.00
									140.00	0.00
									560.00	0.00
1037	LATTIN AVIATION-TRAVIS LATTIN									
46033		5/5/2011	10-22-3000	5/5/2011	1,000.00		5/1/2011	6363		Posted
									1,000.00	0.00
402	LAWSON PRODUCTS INC									
45910		5/5/2011	53-43-8300	5/5/2011	178.66	0361838	4/14/2011	5887		Posted
									178.66	0.00
405	LEAGUE OF KS MUNICIPALITIES									
45967		5/5/2011	10-11-2400	5/5/2011	55.00		4/30/2011	6350		Posted
									55.00	0.00
101	LINTON INSURANCE AGENCY									
46015		5/5/2011	22-00-5250	5/5/2011	100.00		4/27/2011	6360		Posted
									100.00	0.00
424	MCHENRY ELECTRIC & SUPPLY									
45899		5/5/2011	51-43-4330	5/5/2011	12.00	003263	4/15/2011	6243		Posted
									12.00	0.00
45957		5/5/2011	10-20-6180	5/5/2011	24.00	3331	4/26/2011	6112		Posted
									24.00	0.00
467	MITCHELL CO HIGHWAY DEPT									
46028		5/5/2011	25-00-6090	5/5/2011	1,800.48	11542	4/21/2011	6459		Posted
									1,800.48	0.00
470	MITCHELL COUNTY SOLID WASTE									
45936		5/5/2011	53-43-3000	5/5/2011	5.00	015798	4/19/2011	5893		Posted
									5.00	0.00
342	MUNICIPAL SUPPLY OF NEBRASKA									
45900		5/5/2011	51-43-7500	5/5/2011	23.50	0467901-IN	4/14/2011	6242		Posted
									23.50	0.00
498	NATIONAL SIGN COMPANY									
46031		5/5/2011	25-00-6000	5/5/2011	1,010.28	IN-159225	4/21/2011	6690		Posted
									1,010.28	0.00
46032		5/5/2011	26-00-3360	5/5/2011	875.25	88882	5/1/2011	6352		Posted
									875.25	0.00
827	NETWORKS PLUS									
45961		5/5/2011	10-20-6110	5/5/2011	837.50	88471	3/31/2011	6116		Posted
									837.50	0.00
517	PDQ EMERGENCY PRODUCTS									
45926		5/5/2011	10-13-2911	5/5/2011	82.45		4/18/2011			Posted
			10-13-2911						44.95	0.00
									37.50	0.00
									82.45	0.00
2208	PITNEY BOWES									
45969		5/5/2011	10-11-3000	5/5/2011	148.00	3848488-AP11	4/13/2011	6348		Posted
									148.00	0.00
1678	PLAN TAG									
45968		5/5/2011	10-11-6110	5/5/2011	19.95	37474	4/16/2011	6349		Posted
									19.95	0.00
2124	PRESTO-X									
45959		5/5/2011	10-19-4300	5/5/2011	60.00	7979124	4/20/2011	6120		Posted
									60.00	0.00

Accounts Payable Detail Listing

City of Beloit

<u>Vend#</u>	<u>Vendor Name</u>	<u>Pay#</u>	<u>Post Date</u>	<u>Due Date</u>	<u>Amount</u>	<u>Invoice</u>	<u>Date</u>	<u>PO#</u>	<u>Date</u>	<u>Status</u>
		<u>Account#</u>	<u>Work Order</u>		<u>Description</u>				<u>Debit</u>	<u>Credit</u>
2279	RAMADA CONVENTION CENTER (continued)									
45904		51-41-5800		5/5/2011	163.24	1082	4/21/2011	7310	163.24	Posted 0.00
										2 night hotel stay for K Francis
488	SCHWAB EATON BELOIT									
45909		30-00-3000		5/5/2011	1,637.00		4/15/2011	6687	1,544.00	Posted 0.00
		30-00-3000							93.00	0.00
									1,637.00	0.00
600	SELLERS EQUIPMENT INC									
45896		25-00-7450		5/5/2011	1,126.64	IC121165	4/19/2011	6686	1,126.64	Posted 0.00
										BROOMS, DIRT SHOES & SQUEEGEE
2287	SFS ARCHITECTURE									
45965		23-00-3000		5/5/2011	5,190.00	9655	4/11/2011	6340	5,190.00	Posted 0.00
										Beloit Aquatic Center March 2011 service 1
607	SHAMBURG OIL COMPANY									
45937		53-43-6270		5/5/2011	362.51		4/22/2011	5892	154.40	Posted 0.00
		53-43-6270							139.56	0.00
		53-43-6270							68.55	0.00
									362.51	0.00
45939		52-43-4310		5/5/2011	251.90	265135	4/25/2011	6244	251.90	Posted 0.00
										2 Megatron Plus batteries for #68
45952		51-43-6270		5/5/2011	107.01	265159	4/25/2011	6247	107.01	Posted 0.00
										clear diesel
46019		53-43-6270		5/5/2011	(20.80)	170847	3/28/2011	6355	0.00	Posted 10.40
		51-43-6270							0.00	10.40
									0.00	20.80
626	SOLOMON VALLEY HOME CENTER									
45962		10-18-6000		5/5/2011	14.98	10253251	4/26/2011	6117	14.98	Posted 0.00
										brush & roller cover
45980		53-41-4300		5/5/2011	43.44	10253432	4/21/2011	6015	43.44	Posted 0.00
										pine lumber & shelf brkts
46021		51-41-6000		5/5/2011	19.38	10252875	4/13/2011	7319	19.38	Posted 0.00
										2 pair leather work gloves
84	ST JOHN'S SCHOOL - CROSSWALK GUARD									
46035		10-13-3000		5/5/2011	85.00		5/1/2011	6365	85.00	Posted 0.00
										April 2011 crosswalks
846	STAN'S PETROLEUM EQUIPMENT INC									
45915		10-22-7200		5/5/2011	547.00	10557	3/23/2011	6682	547.00	Posted 0.00
										Aviation gas pump repair
643	STANION WHSE ELECTRIC COMPANY									
45921		53-43-8300		5/5/2011	620.79		4/7/2011	7371	223.43	Posted 0.00
		53-43-8300							397.36	0.00
									620.79	0.00
45938		53-43-8300		5/5/2011	539.72		4/21/2011	5889	220.19	Posted 0.00
		53-43-8300							201.80	0.00
		53-43-8300							117.73	0.00
									539.72	0.00
1373	TEE'S PLUS									
45925		10-13-3842		5/5/2011	32.00	346716	3/31/2011	5762	32.00	Posted 0.00
										8 drawstring backpacks
201	THYSSENKRUPP ELEVATOR									
46014		10-11-3000		5/5/2011	365.26	861764	5/1/2011	6361	365.26	Posted 0.00
										elevator maintenance
2323	CASSIDY TURLEY									
45947		10-17-6800		5/5/2011	14.00		4/18/2011	6105	14.00	Posted 0.00
										soccer referee for 2 games

Accounts Payable Detail Listing

City of Beloit

Vend# Vendor Name		Pay#	Post Date	Due Date	Amount	Invoice	Date	PO#	Date	Status	
	Account#	Work Order			Description				Debit	Credit	
1887	UMB BANK-KMEA GRDA FUND (continued)										
45986	5/5/2011	5/5/2011	281.28	RNS-BE-11-02	4/20/2011	6019				Posted	
	53-41-3000			Rice Neshap support invoice				281.28		0.00	
697	USD 273										
46034	5/5/2011	5/5/2011	331.50		5/1/2011	6364				Posted	
	10-13-3000			April 2011 crosswalks				331.50		0.00	
2067	VERIZON WIRELESS										
45973	5/5/2011	5/5/2011	124.24	2559834197	4/16/2011	6344				Posted	
	53-43-5310			Systems wireless phone bill				86.19		0.00	
	51-43-5310			Systems wireless phone bill				26.64		0.00	
	52-43-5310			Systems wireless phone bill				11.41		0.00	
								124.24		0.00	
45974	5/5/2011	5/5/2011	41.30	2559920658	4/16/2011	6343				Posted	
	51-43-5310			Power plant stand-by phone service				41.30		0.00	
45975	5/5/2011	5/5/2011	129.86	2559498396	4/6/2011	6342				Posted	
	10-11-5310			Admin/Parks & Rec Wireless service				100.43		0.00	
	10-18-5310			Admin/Parks & Rec Wireless service				29.43		0.00	
								129.86		0.00	
712	WACONDA TRADER										
46023	5/5/2011	5/5/2011	92.80		3/29/2011	6354				Posted	
	51-41-5400			water plant operator ads in trader				92.80		0.00	
721	WATER PRODUCTS OF OKLAHOMA										
45951	5/5/2011	5/5/2011	195.00	0855287-IN	4/13/2011	6246				Posted	
	30-00-8100			6" Harco 45* for C-900				195.00		0.00	
1452	WELLNESS CENTER										
45966	5/5/2011	5/5/2011	22,977.00		4/14/2011	6351				Posted	
	21-00-5410			2011 Corporate Membership				22,977.00		0.00	
			76,616.94	117 Non-voided payables listed.							

Report Setup
 AP - Accounts Payable Listing : Vendor Name
 Filter Options
 Starting: 5/5/2011
 Ending: 5/5/2011
 Banks: All
 Payable Status: Posted, Printed, ACH, Recorded, Voided
 All Vendors Selected

REQUEST FOR COUNCIL ACTION

DATE:	TITLE:
May 3, 2011	CITY INSURANCE
ORIGINATING DEPARTMENT:	TYPE OF ACTION:
Administration	<input type="checkbox"/> ORDINANCE <input type="checkbox"/> RESOLUTION
	<input checked="" type="checkbox"/> FORMAL ACTION <input type="checkbox"/> OTHER

RECOMMENDATION:

I recommend that the Council purchase insurance from Fouts Insurance LLC.

FISCAL NOTE:

- The cost of this item is \$279,055.00.
- Funding for this type of item will be taken out of the appropriate insurance line items in all departments.

DISCUSSION:

This premium is slightly higher than the previous year due to an increase the value of the power plant equipment. The premium on that equipment is greater this year because the cost to replace the engines has increase due to new EPA regulations.

Respectfully submitted,

Glenn Rodden
City Administrator



BOX 424
 BELOIT, KS 67420
 785-738-3558
 LARRY FOUTS
 TOLL FREE
 1-888-815-9509

INVOICE # 12093		Page 1
ACCOUNT NO. OP	DATE	
785-738-3558 CITYBE1DF	04/08/11	
Commercial Property		
POLICY #		
9A50219		
COMPANY		
Employers Mutual Companies		
EFFECTIVE	EXPIRATION	
04/01/11	04/01/12	
AMOUNT PAID	AMOUNT DUE	
	\$ 279,055.00	

City of Beloit
 P.O. Box 567
 Beloit, KS 67420

Itn #	Trn Date	Trn	Type	Description	Amount
INVOICE #	12093				
134965	04/08/11	REN	PROP	Property	\$ 49,623.00
134966	04/08/11	REN	GL-S	Liability	\$ 8,475.00
134967	04/08/11	REN	BOND	Crime & Fidelity Bond	\$ 663.00
134968	04/08/11	REN	IM	Inland Marine	\$ 6,458.00
134969	04/08/11	REN	CA-S	Business Autos	\$ 17,446.00
134970	04/08/11	REN	WC-S	Work Comp	\$ 69,363.00
134972	04/08/11	REN	EQU	Commercial Output	\$ 122,632.00
134973	04/08/11	REN	E&O	E & O Linebacker	\$ 2,008.00
134974	04/08/11	REN	LIAB	Law Enforcement	\$ 2,387.00

We have paid this premium to the Company so your insurance continues. Please examine this policy carefully.

Invoice Balance: \$ 279,055.00

Thank you. We appreciate your business.

REQUEST FOR COUNCIL ACTION

DATE:	TITLE:		
May 3, 2011	METER SEETING TESTER		
ORIGINATING DEPARTMENT:	TYPE OF ACTION:	<input type="checkbox"/> ORDINANCE	<input type="checkbox"/> RESOLUTION
Electric		<input checked="" type="checkbox"/> FORMAL ACTION	<input type="checkbox"/> OTHER

RECOMMENDATION:

I recommend that the Council approve the purchase of a meter tester from Power Metrix.

FISCAL NOTE:

- The cost of this item is \$33,845.00
- Funding for this type of item is available in line item 53-43-9150.

BIDS RECEIVED:

<u>COMPANY</u>	<u>PRICE</u>
Spin Lab	\$19,400.00
Power Metrix	\$33,845.00

DISCUSSION:

The purchase of this meter testing equipment is part of the electric department's ongoing effort to reduce line losses through the city electric system. Although the Power Metrix model is the more expensive model it provides much greater value.

Respectfully submitted,

Glenn Rodden
City Administrator

502 East 12th Street
Beloit, Kansas 67420



Tel No (785) 738-3781
Fax No (785) 738-2290

TO: Glenn Rodden
City Administrator

FROM: Ronald Sporleder
Director of System Operations

RE: Meter Setting Tester

DATE: April 26, 2011

Glenn,

The Electrical Department is requesting the purchase of a Meter Setting Tester. The approximate line loss for the past year is 18% for a total of \$200,000.00 loss. It is estimated that with a Meter Setting Tester the city would be able to save at least 1% to 2.5% minimum. The approximate saving in line loss would be around \$2,000.00 to \$5,000.00 per year and we think this saving is low. The CT's of a CT meter setting can magnetized, shorted or become open from lightning, saturation of load and from age. At this point we have no way of testing for CT's or the complete meter setting for errors that may be present at the setting.

The Spin lab Model 6000 test unit for \$19,400.00 would be able to test 1 CT at a time, harmonics test, primary and secondary voltages, primary and secondary amperages, demand tests, power tests, demagnification of 1 CT at a time and a in service meter test with a .2% accuracy. This unit is non upgradeable.

The Power Metrix , PowerMaster 7 series model 7302 test unit for \$33,845.00 would do the same as the above unit and also be able to test up to 3 CT's at a time, up to 3 PT's at a time, meter setting wiring verification, transducer testing, a in service meter test with a .02% accuracy and out of service meter testing with a .02% accuracy. This unit is upgradeable.

We are recommending the Power Metrix, PowerMaster 7 model 7302 test unit for \$33,845.00. This unit will do more, is more accurate and will be able test the newer electronic meters that our bench mounted test standard meter tester is not able to test. Our test standard meter test that we have now was purchased in 1986 and some replacement parts are no longer available.

Systems Operation Director Ronald Sporleder

Electrical Line Foreman

Allen Mong

Ronald Sporleder

Spinlab Model 6000

Advantages:

- Lower cost
- Less weight

Disadvantages:

- No PT testing
- Can only test one CT at a time
- No memory and will need to download each test to a computer (could be 3 to 5 downloads per setting)
- Will take longer to test per site
- Is not expandable with other test equipment
- Not able to test meters for accuracy to the national standard

Powermetrix Power Mate 7 Series 7302

Advantages:

- Can test up to 3 PT's at one time
- Can test up to 3 CT's at one time
- Has memory and will be able to test multiple sites before downloading to a computer
- Can save each site to memory and label for faster and easier retesting at a later time and compare data trending
- Can be expandable with other test equipment
- Can test meters for accuracy to the national standard

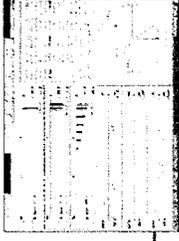
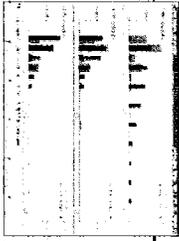
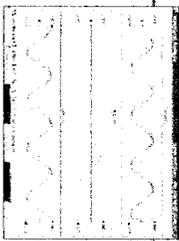
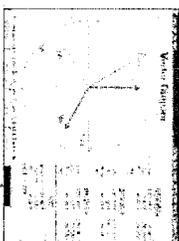
Disadvantages:

- Heavier than others
- Higher price

Company	Spin Lab	POWERMETRIX Power Master		TestMet Inc.
			7 Series	Unable to contact for prices
Model	6000		7302	GoldMiner Plus Load
Price Basic	\$ 11,995.00		\$ 23,995.00	
ADD ONS		ADD ONS		ADD ONS
Suction Cup Infrared Sensor & Optocom Port Infrared Sensor 600-SR2 / 600-SR3	\$ 430.00	Flexible Current Probe 36" 10-140-1036	\$ 2,850.00	
2X2.5 High Voltage Kit 1500-5000-1A	\$ 3,995.00	High Voltage Amp Litewire Probe (4"X6") 10-140-8016	\$ 3,500.00	
Single Phase Load Box to Put Load on CT that has No Load 600-LB1	\$ 2,495.00	MTA15 Universal Meter Test Adapter 10-130-0015	\$ 3,500.00	
2 (8') Load Box Cables with Alligator Clips 600-LBAR-16	\$ 395.00			
40 Foot Cable for the Load Box Current for Donut CT's 600-LB40	\$ 90.00			
TOTAL	\$ 19,400.00	0	\$ 33,845.00	\$ -

POWERMASTERTM SERIES

The Most Innovative Field Testing Device... EVER!



Wiring Verification and Site Diagnostics

Customer Load Meter Log
METER

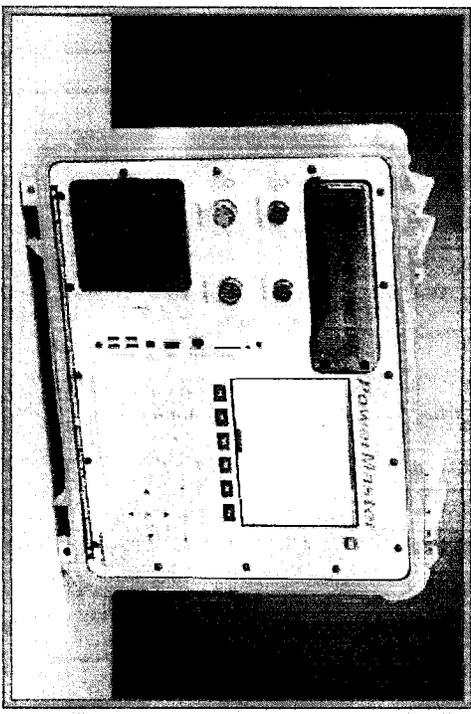
Test Site: 100,043

Test No.	21,107	21,108	21,109
Start Date	1/1/00	1/1/00	1/1/00
End Date	1/1/00	1/1/00	1/1/00
Start Time	12:00:00	12:00:00	12:00:00
End Time	12:00:00	12:00:00	12:00:00

FL	100,008	100,008	100,008
DP	100,038	100,038	100,038
LI	100,017	100,017	100,017

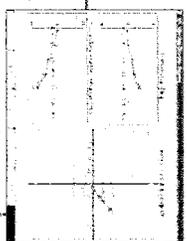
FL	100,008	100,008	100,008
DP	100,038	100,038	100,038
LI	100,017	100,017	100,017

Meter Testing Customer Load and Generated Load



Completely Database Driven

CT Testing Customer Load and Generated Load

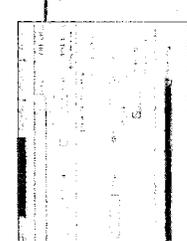
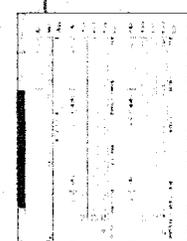
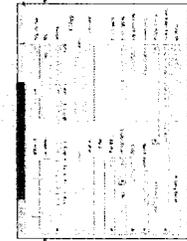
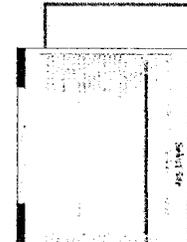


CT Test Site

Test No.	21,107	21,108	21,109
Start Date	1/1/00	1/1/00	1/1/00
End Date	1/1/00	1/1/00	1/1/00
Start Time	12:00:00	12:00:00	12:00:00
End Time	12:00:00	12:00:00	12:00:00

FL	100,008	100,008	100,008
DP	100,038	100,038	100,038
LI	100,017	100,017	100,017

Other Features



Other Features

Technical Specifications

AC Current: 3 Inputs, 0 to 20A or 0 to 50A (model dependent)
 1 μ A Resolution
AC Voltage: 4 Inputs, 30 to 600V
 1 μ V Resolution
Aux. Power: 1 Input, 100 to 530VAC
 Two sets of three inputs
 Resolution and range determined by probe

Energy: Wh, VARh, VAh
 $\pm 0.02\%$ Accuracy
Power: Watt, VAR, VA
 $\pm 0.02\%$ Accuracy
Power Factor: -1.00 to 1.00
Harmonics: Up to 100th harmonic (user selectable)

Current Output: 0.1A to 20A (7302, 7332)
 0.1A to 50A (7305, 7335)
 0 to 360 degrees
Phase Adjustment: 30V to 480V (7332, 7335)
 30V to 600V (available upon request)
 0 to 360 degrees

Pulse Inputs: 3(meter pulse input, standard input, aux input)
Pulse Outputs: 2(standard output, sync output)
USB to PC Port: 1(connectivity to PC)
USB Ports: 4(peripheral devices and barcode reader)
Ethernet Port: 1(high speed connectivity including Internet)
RS232 Port: 1(legacy devices)
SD Memory Port: 1(removeable SD Memory support)
Audio Port: 1(microphone, headphones)

Display Resolution: 640 x 480, full color transfective VGA
Display Size: 8.4 inches
Operating Temperature: -20° C to 50° C (-4° F to 122° F)
Storage Temperature: -30° C to 60° C (-22° F to 140° F)
Humidity: 0 to 95% non-condensing
Internal Battery: 14V NiMH rechargeable
Dimensions: 21 in x 17 in x 8.5 in
Weight: Not including cables
 7300 28.4lbs (13.3kg) 7302 35.6lbs (16.1kg)
 7305 38.4lbs (17.4kg) 7332 42.2lbs (19.1kg)
 7335 45.0lbs (20.4kg)
Warranty: 5 Years

* All information subject to change. See product manual for detailed specifications.



A Division of
 Technology for Energy Corporation
 10737 Leaverton Drive
 Knoxville, TN 37922-5294
 Phone: 605.218.3637
 Toll Free: 877.686.5950
 Fax: 605.675.1241
 www.powermetrix.com



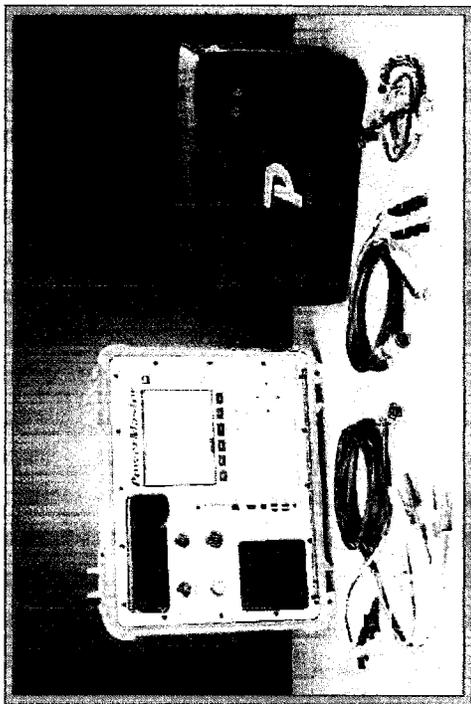
Adapted Number Selector

- 7300**
 - 3 Phase Reference Standard (0.02%)
 - Harmonic Analysis up to 100th
 - Wiring Verification
 - Customer Load Meter Testing
 - Demand Meter Testing
 - 3 Phase Simultaneous CT Testing
 - 3 Phase Simultaneous PT Testing
 - Transducer Testing
 - CT Demagnetization
 - Meter Site Manager Software
- 7302**
 - + 3 Phase 20Amp Current Source
- 7305**
 - + 3 Phase 50Amp Current Source
- 7332**
 - + 3 Phase 20Amp Current Source
 - + 3 Phase 480Volt Voltage Source
- 7335**
 - + 3 Phase 50Amp Current Source
 - + 3 Phase 480Volt Voltage Source

Contact Information

7 Series PowerMaster®

THE MOST ADVANCED FIELD TESTING DEVICE IN THE ELECTRIC UTILITY INDUSTRY.



- 5 Year Warranty
- Reference Testing Time
- Up to the Entire Meter Installation
- In-Field Error Detection
- Upgradeable Modules
- Lightweight and Compact
- Easy to Use

Powermetrix is pleased to introduce the most innovative field testing device in the electric utility industry. The PowerMaster® 7 Series is a top of the line field instrument with a truly 3-phase analyzing reference standard with optional integrated current and voltage sources. With an accuracy of $\pm 0.02\%$ in the field, the 7 Series is more accurate than most lab standards, and 10 times more accurate than most meters. With the ability to measure all primary and secondary signals, the 7 Series can test all 3 phases for CT burden and ratio error. It tests meters under customer load and/or generated load conditions. With many advanced features, the PowerMaster® 7 Series is revolutionizing field testing!



POWERMETRIX
 THE MOST ADVANCED FIELD TESTING DEVICE IN THE ELECTRIC UTILITY INDUSTRY.



Bird Dog Plus—Model 6000

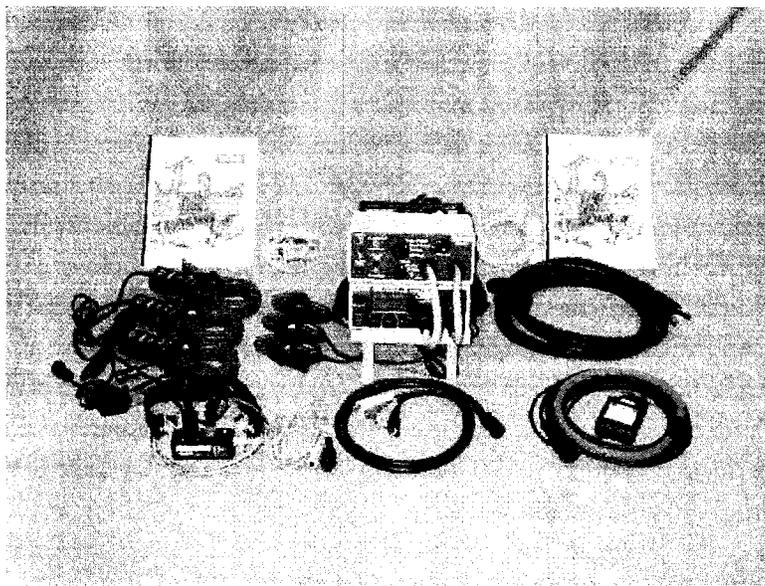
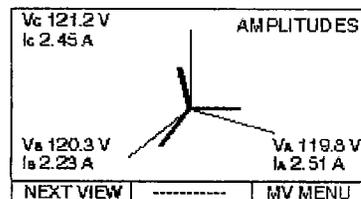
In-Service Tester for CT's and Secondary Circuits and All Meters (Including CT-Rated, Self-Contained, and Residential)

Now lost revenue can be quickly and easily identified by testing your meter circuits and meters, including CT-rated, 3 phase self-contained, & residential meters! Weighs less than 12 lbs!*

This new and exciting true 3 phase Bird Dog Plus enables you to determine the accuracy of any meter in the field--from Form 1 through Form 17. Electronic sensors allow you to automate the test to gain the highest possible accuracy. The process is fast, simple, and much less expensive than a portable test board for the meter test and still tests your CTs and secondary circuits.

- Meter verification accuracy better than 0.2% direct connect
- All probes and sensors pre-connected—no need to connect or disconnect probes
- Live 3 phase vector plot on the screen of the Bird Dog Plus
- Save .pdf files & e-mail reports direct from SpinGraph
- 3 Small I Probes—0.75" Inside Diameter—0.5 to 100 Amps
- 3 Large I Probes—2" Inside Diameter—10 to 1000 Amps
- 3 Duckbill Connectors for direct connection to your meter circuit
- Perform a single meter verification test on all self-contained meters
- You can also perform a single meter verification test on all CT rated meters
- Tests residential meters
- Demand Test for kWh, kVARh, & kVAh--From 1 to 60 minutes demand intervals
- Lithium ion battery for longer life
- Weighs less than 12 pounds without probes*
- Lifetime product support at no additional charge!
- Option: 1500 High Voltage Kit for testing primary CT's and overhead installations

Per ANSI C-12.1-2008 using Method 3 (5.1.5.3)



ALL OF THIS → FITS INTO THIS!

Spinlab Utility Instrumentation, Inc.

3110 Henson Road, Suite A1, Knoxville, TN 37921

Telephone: 865.212.9881 Fax: 865.212.9886 e-mail: sales@spinlabinc.com

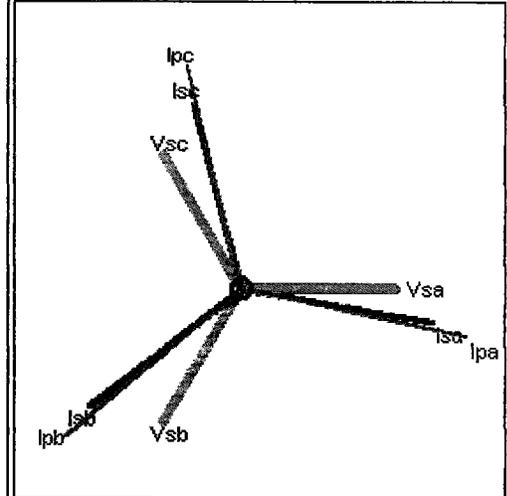
System (Meter & Meter Circuit)

River Bend Test Site

Location: CB5720 **Meter Type:** Form 9, 4 Wire Wye (3S-3IC)
Date: 12/02/2008 **Rotation:** ABC
Comment: **Screen:** Composite

Phase	A	B	C	System
Time	08:37:30	08:37:30	08:37:30	
General				
Vs	120.9	119.9	119.6	
Is	1.526	1.596	1.486	
Ip	60.61	62.71	58.97	
ϕ Vs-Is	9.9	22.2	15.8	
ϕ Ip-Is	357.9	2.6	359.4	
ϕ Vsan-Is	9.9	142.2	255.8	
ϕ Vsan-Is	13.0	139.6	256.4	
Harmonics				
THD Voltage %	2.2	2.2	2.3	
THD Current %	7.3	6.6	2.6	
Power				
KW	0.18021	0.17976	0.16963	0.52961
KVAR	0.03951	0.06560	0.05306	0.15817
KVA	0.18449	0.19136	0.17774	0.55272
TPF	0.977 lg	0.939 lg	0.954 lg	0.958 lg
DPF	0.985 lg	0.926 lg	0.962 lg	0.961 lg
Meter Verification				
Bird Dog (kWh)				0.0036025
Meter (kWh)				0.0036000
Time (Seconds)				46.71
P/R Setting				2
kH				1.8
Pulses per Rev				12
kVAh				0.0036048
Sensor Type				IR Sensor
% Accuracy				99.9%
Favors				Customer
Meter Circuit				
Ratio No Burden	201.5	203.5	201.6	
Rated Burden	1.0	1.0	1.0	
Burden Results	As Rated	As Rated	As Rated	
% Accuracy	99.2	98.2	99.2	98.9%
Favors	Customer	Customer	Customer	Customer
System Error (Meter and Meter Circuit Combined)				
% Accuracy	99.1	98.3	99.1	98.8%
Favors	Customer	Customer	Customer	Customer
Utility Gain/Loss				(\$1,440.00) per 12 Months

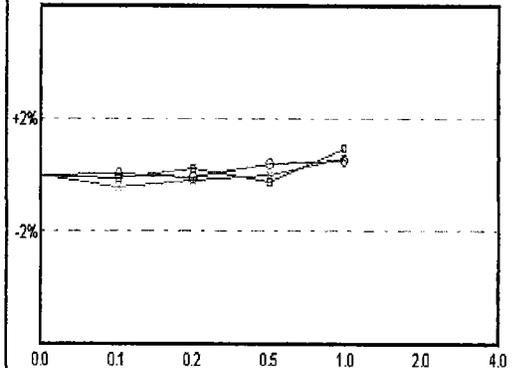
Vector Plot



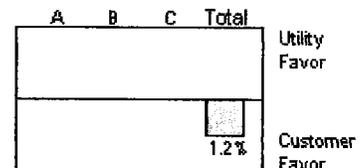
Ratio/Burden Graph

A — x B — □ C — ○

Ratio 200:5



Accuracy Summary

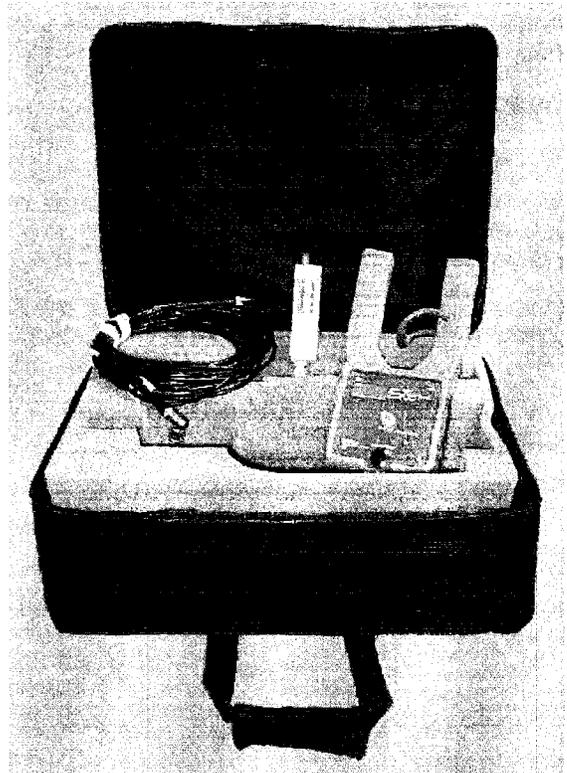


Spinlab

1500 Fiber Optic High Voltage Current Probe Kit

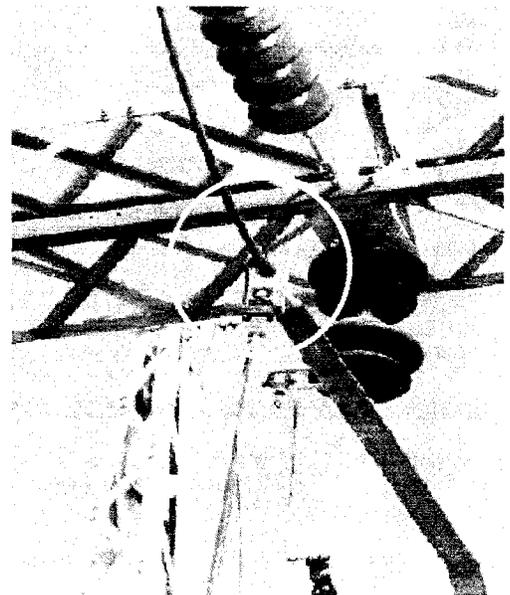
Accurate and reliable performance data are difficult to acquire safely, particularly in the hostile high voltage environment encountered in utility distribution systems. Consequently, in-service testing of distribution systems, including CT rated primary metering components quite often is neglected, allowing improper installation, environmental damage, magnetization and manufacturing defects to go undetected. This can result in serious metering deficiencies — problems that can add up to critical kilowatt-hour losses to the utility.

The 1500 Fiber Optic High Voltage Current Probe safely interfaces with the Spinlab 6000/5000 Bird Dog Plus, to provide the essential current measurements that cost-conscious utilities need today. With the 1500 it is now possible to make in-service ratio, wiring, and burden tests on primary metering CT's.



Features:

- Portable, easily installed on energized lines from the ground using a hot stick.
- Compact, lightweight – less than 3 lbs. Including removable hanging fixture.
- Range: 2-2,000 Amps (Auto range or Manual Select)
- Broad Bandwidth (10kHz)
- Accuracy: 1% of reading + one digit
- Uses non-saturable, non-closing tuning fork core design.
- Provides both phase and amplitude data on the 5000 or 6000 Bird Dog Plus analyzers.
- Fiber optic link BIL tested to 230 kV, leakage tested to 765 kV.
- Fiber optics immune to HV arcing and corona.
- Battery powered with auto shutdown feature (5-minute in idle.)
- Fiber cable detachable for easy cleaning, maintenance and safety testing.
- In use with over 500 power utilities throughout the worldwide.
- Backed by over 20 years experience in high voltage fiber optics.
- Size: 14 inches long, 4.75 inches wide, 2 inches thick.



Specifications

Type:	Portable, shotgun stick mounted using universal chuck Isolated from ground using fiber optic technology
Probe Size:	14 inches x 4.75 inches x 2 inches
Measurement Window Size:	2.5 inches x 3 inches 2 x 2.5 inch opening
Weight:	Less than 3 pounds
Power:	Standard 9 v replaceable battery
Measurement Range:	2-200 Amps 200-2000 Amps (Auto ranges 2-2000 Amps)
Accuracy:	1% of reading +/- 1 digit
Communications:	Optical, using pulse with modulation techniques

Fiber Optic Communications Link Electrical Isolation Capability

Voltage Qualifications

Fully tested using ANSI C57.13 --- to BIL equivalent of 230 kV (pulse tested at 1,250 kV).

Leakage Current Data

Tested at all line-to-line and line-to-ground distribution and transmission voltages up to and including 765 kV-ac.

Measured leakage current was less than 0.050 microamperes / foot / kV.

Distances measured along Fiber Optic Communications Link were minimum line-to-line distances specified by the National Electrical Code.

Wet tested per IEEE standard 4, paragraph 1.3.3.2 (250 ml/minute).

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Knoxville, TN 37921
Telephone: 865-212-9881
Fax: 865-212-9886
Email: sales@spinlabinc.com

Benefits

Utilities can now conduct complete in-service tests of primary metering CT's — their highest volume customers. These customers account for the highest revenue losses from faulty CT's and CT circuits, yet before the advent of this product were not easily tested without removing the CT from service.

Eliminates the requirement for a bucket truck when testing aerially mounted CT's. The very low weight of the probe and the removable hanger attachment allow one man to place the probe using a lightweight shotgun stick.

The compact design and wide opening **allow the probe to be used in confined pad-mount and underground installations.**

Usable from the lowest line voltages 120 v to 230 kV — one easy-to-use probe can do it all.

System Includes

- High Voltage Probe
- Safety Barrier Ground Strap
- Receiver/Interface for 6000/5000 Bird Dog Plus
- 50 foot Fiber Optic Communications Cable
- Carrying Case
- Removable Probe Hanger

Pricing includes calibration of customer's 6000/5000 Bird Dog Plus to the 1500 High Voltage Probe.

Additional 50-foot standard lengths up to 150 feet can be used.

The logo for Spinlab, featuring the word "Spinlab" in a bold, white, sans-serif font on a black rectangular background.

Spinlab

Load Box for Current Transformers

Have you ever driven an hour to a test site only to discover that the site had little or no load?

With the new Spinlab Load Box the Bird Dog Plus can test every site, even if there is no load or a very light load.

In-service testing is the only way to thoroughly test a meter circuit site. If there is no load or a very light load, a proper ration/burden test cannot be performed. Now with the Load Box, you can load a CT enough to completely test the meter circuit. Simply take the current cable from the Load Box, wrap it around the CT, switch from 10 amps to 50 amps through the CT, and perform a meter circuit test the same way as usual. The Spinlab Load Box is usable with 120V, 240V or 480V service and is good on donut or bar-type CT's.



Some additional applications for the Load Box are:

- Checking CT's on the bench before hooking them up in a circuit
- Testing a new installation before a load is applied, saving a later trip back to the site
- Performing a meter verification test using the Bird Dog Plus on no load sites

For more information contact us:

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Telephone: 865-212-9881

Fax: 865-212-9886

e-mail: sales@spinlabinc.com

SPECIFICATIONS

INPUT VOLTAGE	120/240/480 Volts		
OUTPUT CURRENT	All Switches Off	10 Amps	0 to - 5%
	1 Switch On	20 Amps	0 to - 5%
	2 Switch On	30 Amps	0 to - 5%
	3 Switch On	40 Amps	0 to - 5%
	4 Switch On	50 Amps	0 to - 5%
	These readings are dependent upon a 12 foot cable length. For longer lengths of cable, the maximum current is as follows:		
	40 foot	40 Amps	0 to - 5%
	70 foot	30 Amps	0 to - 5%
	100 foot	20 Amps	0 to - 5%
OPEN CIRCUIT VOLTAGE	5 Volts RMS		
FREQUENCY	50 or 60 Hz		
OPERATING TEMPERATURE	0 To 120 Degrees Fahrenheit		
FUSE SIZE	3 Amp Slow Blow		
WEIGHT	16 Pounds		

INPUT VOLTAGE PROPORTIONAL TO OUTPUT CURRENT TABLE

INPUT VOLTAGE	TAP CONNECTION	OUTPUT CURRENT
100 Volts	120 Volt Tap	.833 x Nominal Readings
120 Volts (Nominal)	120 Volt Tap	10, 20, 30, 40, 50 Amps (Nominal)
208 Volts	240 Volt Tap	.866 x Nominal Readings
220 Volts	240 Volt Tap	.917 x Nominal Readings
230 Volts	240 Volt Tap	.958 x Nominal Readings
240 Volts	240 Volt Tap	Nominal Readings
277 Volts	480 Volt Tap	.577 x Nominal Readings
347 Volts	480 Volt Tap	.723 x Nominal Readings
415 Volts	480 Volt Tap	.860 x Nominal Readings
480 Volts	480 Volt Tap	Nominal Readings
<u>600 Volts</u>		<u>Do not use at this voltage level or above!!!</u>

Spinlab Demagnetization Circuit for Current Transformers

Now, along with identifying the source of lost revenue, you can fix one of the most common failures of a meter circuit in a matter of minutes, without taking anything out of service!

Many of you have seen a measured ratio reading of a CT that was not what it should be: For example, a 200:5 CT that measured out to be 212:5 but passed the burden test. This is a magnetized CT. And what can you do about it? Either nothing or change out the CT. Now there is a 3rd option: The Spinlab Demag Circuit used in tandem with the Bird Dog Plus. Of the 32 failure modes of a meter circuit, magnetized CTs are by far the most common ones after installation errors. A magnetized CT can be caused by a lightning strike, ground fault, or open circuiting a CT. With this shoebox size device, you simply attach the duckbill connector to the phase of the test switch you want to demagnetize, turn the unit on, press the **Demag** button, and in less than 1 minute your CT will be demagnetized. It is that easy, and you don't have to take anything out of service! Never has increasing the accuracy of a CT-metered site been easier. Here's more about the Demag circuit:

- Works on any CT-rated site—primary or secondary
- Works on secondary current from 0.2 to 10 amps
- Safety lockouts built in for excessive current, voltage, and temperature readings
- Interfaces directly to the Bird Dog Plus for easy before and after monitoring to prove results
- Compact size and weight allows you to carry it easily from site to site
- Automatically predetermines the extent of the test needed to demagnetize a CT based on load and degree of magnetization
- Demagnetizes a CT normally in less than 1 minute
- No batteries to maintain—works from site power



DEMAGNETIZATION CIRCUIT

CT BURDEN AND RATIO	
→ WIRE VERIFY	CORRECT
CT RATIO (NO BURDEN)	212.0
BURDEN	AS RATED
SELECT	NEXT ITEM MORE OPTN

Before Demag

CT BURDEN AND RATIO	
→ WIRE VERIFY	CORRECT
CT RATIO (NO BURDEN)	200.2
BURDEN	AS RATED
SELECT	NEXT ITEM MORE OPTN

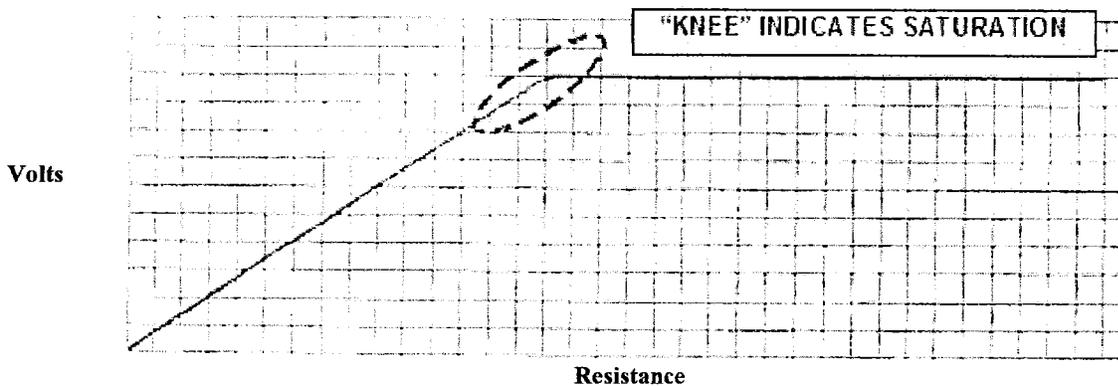
After Demag

Spinlab Utility Instrumentation, Inc.
 3110 Henson Road, Suite A1 • Knoxville, TN 37921
 Telephone: 865.212.9881 Fax: 865.212.9886 e-mail: sales@spinlabinc.com

How the Demag Circuit Works

CT Magnetization is caused by a lightning strike, ground fault, or opened CT. Depending upon the orientation of the molecules, the ratio reading may be subsequently higher or lower than the rated ratio, causing your metering to be significantly inaccurate. The purpose of the Demag circuit is to re-orient the molecules in the iron core so that the core is no longer magnetized. To do this, resistance is added selectively to the secondary circuit causing the CT to go in and out of saturation multiple times—beyond the knee and back. All this is done with the customer's load, so nothing needs to be taken out of service. This process takes about 1 minute and will re-orient the molecules in the core and demagnetize the CT.

Saturation Curve for a CT

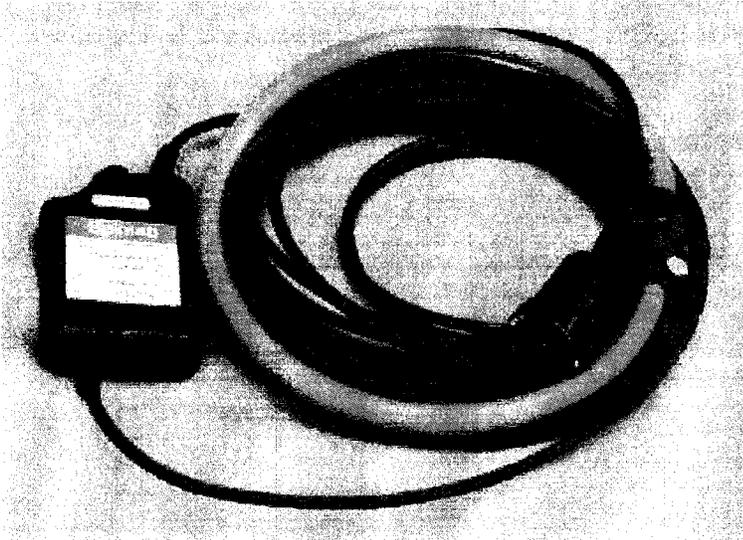


Specifications

Input Power	120-240 Volts AC
Input Current Range of Secondary of CT	.2 to 10 Amps
Rated Burden of CT	.1 to 4.0 Ohms
Ratio of CT	Up to 2000:5
Voltage on CT	Any
Weight	13 lbs
Dimensions	11 x 5.5 x 11.75 inches
Display	16 characters X 2 lines

Spinlab

MODEL 600-FC1 Flexible Coil Current Probe



Spinlab Presents
The probe that can
get around
anything!



Now there's no reason not to
take every measurement.

Never again will you have a problem getting around a bundle of cables or a bus bar with a typical split-core current transformer. The solution is here with the Spinlab nonferrous flexible AC current probe. This unit allows you to easily and safely take current measurements for ratio tests. Simply plug it into the Bird Dog and take your measurements like you would with any other probe. The unit does not have a metal core and is electrically isolated to protect you:

- Operating Range from 10A & 3000A
- 1% accuracy
- Extremely rugged & durable
- Comes in single or dual head configuration, each with 7" inside diameter

Specially designed to work with your Bird Dog or Bird Dog Plus and requires no calibration

Spinlab Flexible Current Probe Model 600-FC1

Technical Specifications

ELECTRICAL

Measuring Range	10A to 3000A RMS
Maximum Output	2.5V AC or +/-3.53V Peak using a +5V Supply
Output Loading	1k Ohm Minimum
Output Scaling	0.5V = 1000A
Accuracy	+/-0.5% Special, +/-1% Nominal of Full Scale
Linearity (to a Specific Point)	+/-0.2% of Reading . . . 100% of Full Scale
Frequency Response	8Hz to 7000Hz
Repeatability	+/- .1% of Reading 10% . . . 100% of Full Scale
Maximum DC Offset	+/-5.0mV
Temperature Range (Electronics & Sensor Head--Operating)	10 Degrees C to 55 Degrees C
(Electronics & Sensor Head--Storage)	-20 Degrees C to 70 Degrees C
Temperature Sensitivity (Max Gain Change)	+/- .08%/Degrees C
Temperature Sensitivity (Max DC Offset)	+/-10 micro V/Degrees C
Source Power	+5V DC Supplied by the Bird Dog Plus
Position Sensitivity (Max On Conductor)	+/-0.5% Typical--4% Maximum
Position Sensitivity (External Magnetic Field)	+/-0.2% Typical--2% Maximum

PHYSICAL

Sensor Head	
Sensor Head Material	TPE Rubber, Polypropylene or Polycarbonate
Sensor Head Minimum Bending Radius	1.5 inches (38.1 mm)
Weight	.4lbs
Coil Length & Diameter	24" (7" Inside Diameter) (8.3" Outside Diameter)
Electronics Package	
Material	ABS Plastic
Weight	.1 lbs
Output Connector	16 Position Amp Connector # 206037-1

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Spinlab

REQUEST FOR COUNCIL ACTION

DATE:	TITLE:		
May 3, 2011	Summer Hiring		
ORIGINATING DEPARTMENT:	TYPE OF ACTION:	<input type="checkbox"/> ORDINANCE	<input type="checkbox"/> RESOLUTION
Parks and Recreation		<input checked="" type="checkbox"/> FORMAL ACTION	<input type="checkbox"/> OTHER

RECOMMENDATION:

I recommend that the council approve the enclosed list for summer employment for the Parks and Recreation Division.

FISCAL NOTE:

- The cost of this item is approximately \$100,000.00.
- Funding for this type of item is available in lines 10-17-1105, 10-18-1105, 10-20-1105, and 10-21-1105.

DISCUSSION:

Attached is a list of temporary employees that the Parks and Recreation Division would like to hire for the summer 2011.

Respectfully submitted,

Glenn Rodden
City Administrator



Lynn Miller
Director of Parks and Recreation
119 North Hersey Avenue
P O Box 567
Beloit, Kansas 67420

Tel No (785) 738-2270
Fax No (785) 738-2517
Email: beloitparks@nckcn.com

To: Glenn Rodden
From: Lynn Miller

I would recommend the following for **summer 2011** workers/pay:

Dan Hobbs	Cemetery/Full Time	7.84 (3rd year)
Nick Marcotte	Cemetery/Full Time	7.84 (3rd year)
Chuck Gibson	Park/Full Time	7.84 (3rd year)
Interviewing	Sports Complex/Full Time	7.25 (1 st year)
Lynn Simoneau	Parks/Part Time	7.54 (2 nd year)
(Willing to work more to help out if needed)		
Amanda Krier	Rec. Assistant/Full Time –	10.09 (6 th year – same as last year)

Pool Staff

Terri Engelbert	Manager	12.20 (last year's pay - recommend to stay same)
Darrell Kelley	Assistant Manager	10.00 (1 st year) (manager responsibilities)
Catherine Harris	Assistant Manager	10.00 (1 st year) (manager responsibilities)
Dawndra Nuzum	Swim Lesson Supervisor	9.10 (6 th + WSI responsibilities)
Kalli Kruse	Guard	8.15 (4 th year)
Casey Henk	Sub-Guard- interview on 4/29	7.84 (3 rd year)
Ellen Collingwood	Guard	7.84 (3 rd year)
Kevin Williams	Guard	7.84 (3 rd year)
Brenna Johnson	Guard	7.84 (3 rd year)
Shelby Herndon	Guard	7.84 (3 rd year)
Kelly Shamburg	Guard	7.84 (3 rd year)
Cami Engelbert	Sub-Guard	7.84 (3 rd year)
Traci Lawrence	Guard	7.54 (2 nd year)
Danielle Overmiller	Guard	7.54 (2 nd year)
Valerie Draemel	Guard	7.54 (2 nd year)
Darci Robison	Guard	7.54 (2 nd year)
Chloe Marshall	Guard	7.54 (2 nd year)
Katherine Kimmer	Guard	7.25 (1 st year)
Brady True	Guard	7.25 (1 st year)
Camon Tatro	Guard (after July 10 due to age)	7.25 (1 st year)
Amber Williams	Guard	7.25 (1 st year)
Madeline Brown	Guard	7.25 (1 st year)
Jordyn Emerson	Guard	7.25 (1 st year)
Kelsey Gengler	Guard	7.25 (1 st year)
Shelby Hudson	Sub-Guard- interview on 4/29	7.25 (1 st year)

Interviews not completed for Concession stand workers but will all be new staff this year:

Concession Stand	7.25 (1 st year)
Concession Stand	7.25 (1 st year)
Concession Stand - Sub	7.25 (1 st year)

Pool employees will be schedule to accommodate the pool's schedule and individual hours will vary throughout the summer. This year we will pay the .50 cent extra an hour only on the times the guards assist with the Parks and Recreation Swim Lesson.