

**AGENDA-REGULAR MEETING
STERLING CITY COMMISSION
114 N. BROADWAY
STERLING, KANSAS
July 05, 2023 7 P.M.**

- A) CALL TO ORDER**
- B) INVOCATION**
- C) APPROVAL OF THE AGENDA**
- D) CITIZEN COMMENTS**
- E) APPOINTMENTS, PROCLAMATIONS, RECOGNITIONS, & NOMINATIONS**
- F) CONSENT AGENDA:**

Items on the Consent Agenda are considered by staff to be routine business items. Approval of the items may be made by a single motion, seconded, and a majority vote with no separate discussion of any item listed. Should a member of the Governing Body desire to discuss any item, the item will be removed from the Consent Agenda and considered separately.

- 1. Approval of Minutes
 - a. Regular Meeting June 19, 2023
- 2. Accounts Payable
 - a. Wednesday, June 28, 2023 for \$158,777

- G) OLD BUSINESS**
- H) NEW BUSINESS**

- 1. Electric Utility Power Plant Facility Assessment
- 2. Overview Peace Park Dog Park Amenity
- 3. Water Utility 2024 Budget Workshop

- I) GOVERNING BODY COMMENTS**
- J) CITY MANAGERS REPORT**
- K) EXECUTIVE SESSION**
- L) ADJOURNMENT**

Next Assigned Numbers for:
Charter Ordinance No 18
Ordinance No. 2562
Resolution 878

NOTICE: SUBJECT TO REVISIONS

It is possible that sometime between 6:30 and 7:00 pm immediately prior to this meeting, during breaks, and directly after the meeting, a majority of the Governing Body may be present in the commission chambers or lobby of City Hall. No one is excluded from these areas during those times.



CONSENT AGENDA HIGHLIGHTS

F.1 Approval of Minutes

- Approval of June 19th 2023, Regular City Commission Meeting Minutes

F.2 Review of Accounts Payable

a. Wednesday, June 28th 2023 for \$158,777

- Clark Equip. Mini Excavator: \$67,070
- KS Dept of Rev.: Misc Tax File: \$14,528
- Border States: Electric Dist. Supplies: \$12,972
- Chemquest: Pool Chemicals: \$12,810
- Sutton Electric: Final Pay EV Stations: \$12,556

STERLING CITY COMMISSION
REGULAR MEETING
MINUTES
6-19-2023

The Board of Commissioners of the City of Sterling met in regular session Monday, June 19, 2023, at 7:00 P.M in the meeting room at City Hall. Those present were Todd Rowland, Bob Boltz, Brian Inwood, Richard Jones, Jr. City Commissioners; Scott Bush, City Attorney; Craig Crossette, City Manager; Sandra Fankhauser, City Clerk. Absent: Stephen Wilson, City Commissioner.

Lindsey Johnson was present for the Sterling Bulletin.

Mayor Boltz called the meeting to order.

INVOCATION AND FLAG SALUTE: Led by Commissioner Rowland.

APPROVAL OF AGENDA: It was moved and seconded to approve the agenda. The motion carried.

CITIZENS COMMENTS: Several citizens expressed their concern about the Pride float that is entered in the 4th of July parade.

APPOINTMENTS:

CONSENT AGENDA:

- 1) Approved June 5, 2023, Regular Meeting Minutes.
- 2) Approved 6-15-2023 Accounts Payable for \$333,692

It was moved and seconded to approve the consent agenda but pull out the Chuck Henry invoice from the Accounts Payable to discuss as Item no. H4. Motion carried.

OLD BUSINESS

NEW BUSINESS

POOLASSESSMENT PRESENTATION

Representatives from Schaefer Architecture gave an assessment of the Swimming Pool and Bath House. Commissioner Rowland moved and Commissioner Inwood seconded to receive and file the pool assessment report. Motion carried by the following vote: Rowland “yea”, Boltz “yea”, Inwood “yea”, Jones “yea”.

PROPERTY AND LIABILITY INSURANCE RENEWAL.

City Manager Crossette and Kent Anthony, First Group Insurance, reviewed the Midwest Public Risk Property and Liability Insurance renewal. Commissioner Jones moved and Commissioner Rowland seconded to approve the renewal with MPR and Chubb for the 2023-24 renewal period. The motion carried by the following vote: Rowland “yea”, Boltz “yea”, Inwood “yea”, Jones “yea”.

FIRE DEPARTMENT BUDGET WORKSHOP

Brian Rife, Sterling Volunteer Fire Department Chief, reviewed the needs for the fire department for the 2024 Budget.

CHUCK HENRY INVOICE DISCUSSION

Commissioner Jones suggested purchasing a storage container rather than paying a monthly fee to Chuck Henry to rent one for the Electric Distribution department. The Commissioners were in agreement. Staff will search for a storage container in the \$5,000 range.

EXECUTIVE SESSION

Commissioner Boltz moved, and Commissioner Rowland seconded to enter executive session to discuss confidential data relating to the financial affairs or trade secrets of corporations, partnerships, trusts, and individual proprietorship (economic development) i.e., KMW Ltd. Business Development and Community Partnership per KSA 2015 Supp. 75-4319 at 8:45 p.m. to include the City Attorney and City Manager with the public meeting re-opening at 9:05 p.m with not action to follow. The motion carried.

The Commission came out of executive session at 9:05 p.m. and resumed the regular meeting.

There being no further business to come before the Commission, Commissioner Jones moved and Commissioner Inwood seconded to adjourn. The motion carried.

Bob Boltz, Mayor

ABSENT
Stephen Wilson, Commissioner

Todd Rowland, Commissioner

Brian Inwood, Commissioner

Richard L Jones, Jr., Commissioner

Sandra D Fankhauser, City Clerk

SCHEDULED CLAIMS LIST

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST	GL ACCOUNT	CK SQ

FIRST BANK								
1342 ADVANCE TERMITE & PEST CONTROL								
352517	1	6/28/23	6/28/23	TERMITE CONTROL BATH HOUSE	220.00	01	01-17-5315	1
				INVOICE TOTAL	220.00			
440,205	1	6/28/23	6/28/23	TERMITE CONROL - CEMETERY	220.00	16	16-00-5399	1
				INVOICE TOTAL	220.00			
				VENDOR TOTAL	440.00			
728 B & B HYDRAULICS, INC								
3113012	1	6/28/23	6/28/23	EQUIPMENT EXPENSE	650.69	03	03-60-5317	1
				INVOICE TOTAL	650.69			
				VENDOR TOTAL	650.69			
579 BLACK HILLS ENERGY								
6-2023	1	6/28/23	6/28/23		36.92	02	02-60-5399	1
				INVOICE TOTAL	36.92			
				VENDOR TOTAL	36.92			
21 BOLEN OFFICE SUPPLY INC								
135340	1	6/28/23	6/28/23	OFFICE SUPPLIES	8.09	02	02-70-5201	1
				INVOICE TOTAL	8.09			
				VENDOR TOTAL	8.09			
1224 BONITA CAIN								
7-23	1	6/28/23	6/28/23		141.67	01	01-00-5315	1
	2				141.67	01	01-01-5315	1
	3				141.66	01	01-00-5313	1
				INVOICE TOTAL	425.00			
				VENDOR TOTAL	425.00			
1121 BORDER STATES INDUSTRIES INC								
926505403	1	6/28/23	6/28/23	SUPPLIES	12,972.81	03	03-60-5223	1
				INVOICE TOTAL	12,972.81			
				VENDOR TOTAL	12,972.81			
710 BUMPER TO BUMPER AUTO PARTS								
398366	1	6/28/23	6/28/23	VEHICLE EXPENSE	30.59	03	03-60-5207	1
				INVOICE TOTAL	30.59			
				VENDOR TOTAL	30.59			
23 BUSH, BUSH & SHANELEC								
7-23	1	6/28/23	6/28/23	JULY RETAINER	1,800.00	01	01-00-5370	1
				INVOICE TOTAL	1,800.00			
				VENDOR TOTAL	1,800.00			

SCHEDULED CLAIMS LIST

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST GL	ACCOUNT	CK SQ

				724 C & B EQUIPMENT				
252918-00	1	6/28/23	6/28/23	ENGINE MAINT PARTS	149.74	03	03-50-5244	1
				INVOICE TOTAL	149.74			
				VENDOR TOTAL	149.74			
				97 CARDER PEST CONTROL				
61652	1	6/28/23	6/28/23		50.00	01	01-00-5315	1
				INVOICE TOTAL	50.00			
61653	1	6/28/23	6/28/23		80.00	01	01-11-5399	1
				INVOICE TOTAL	80.00			
61657	1	6/28/23	6/28/23		40.00	02	02-60-5399	1
	2				40.00	03	03-60-5399	1
				INVOICE TOTAL	80.00			
61658	1	6/28/23	6/28/23		50.00	01	01-01-5315	1
				INVOICE TOTAL	50.00			
61659	1	6/28/23	6/28/23		80.00	03	03-50-5399	1
				INVOICE TOTAL	80.00			
				VENDOR TOTAL	340.00			
				153 CHEMQUEST INC				
2376	1	6/28/23	6/28/23	POOL CHEMICALS	12,810.00	01	01-17-5250	1
				INVOICE TOTAL	12,810.00			
				VENDOR TOTAL	12,810.00			
				468 CHENEY DOOR COMPANY				
0441563-IN	1	6/28/23	6/28/23	DOOR REPAIR AT MED CENTER	222.00	31	31-00-5315	1
				INVOICE TOTAL	222.00			
				VENDOR TOTAL	222.00			
				951 CINTAS CORPORATION				
019P004142	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHERS	24.18	01	01-00-5315	1
				INVOICE TOTAL	24.18			
019P004144	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHER	61.73	01	01-01-5315	1
				INVOICE TOTAL	61.73			
019P004146	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHERS	152.64	01	01-11-5315	1
				INVOICE TOTAL	152.64			
019P004148	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHERS	115.95	02	02-60-5399	1
				INVOICE TOTAL	115.95			
019P004150	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHERS	24.69	03	03-60-5399	1
				INVOICE TOTAL	24.69			
019P004152	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHERS	159.19	18	18-41-5399	1

SCHEDULED CLAIMS LIST

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST	GL ACCOUNT	CK SQ
INVOICE TOTAL					159.19			
019P004154	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHER	12.35	19	19-00-5399	1
INVOICE TOTAL					12.35			
019P004156	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHER	12.09	19	19-00-5399	1
INVOICE TOTAL					12.09			
019P004158	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHER	12.35	16	16-00-5399	1
INVOICE TOTAL					12.35			
019P004160	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHER	62.81	19	19-00-5399	1
INVOICE TOTAL					62.81			
019P004162	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHER	62.81	02	02-60-5399	1
INVOICE TOTAL					62.81			
019P004164	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHERS	12.35	03	03-60-5399	1
INVOICE TOTAL					12.35			
019P004166	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHER	24.69	03	03-60-5399	1
INVOICE TOTAL					24.69			
019P004168	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHER	67.38	19	19-00-5399	1
INVOICE TOTAL					67.38			
019P004170	1	6/28/23	6/28/23	CHARGE FIRE EXTINGUISHER	67.38	19	19-00-5399	1
INVOICE TOTAL					67.38			
5163404793	1	6/28/23	6/28/23	1ST AID	64.94	01	01-00-5299	1
	2			1ST AID	60.12	02	02-60-5299	1
	3			1ST AID	60.13	03	03-60-5299	1
INVOICE TOTAL					185.19			
VENDOR TOTAL					1,057.78			
882 CIRCLE J CUSTOM EMBROIDEY								
459	1	6/28/23	6/28/23	SHIRTS FOR TERRY	40.00	02	02-60-5399	1
INVOICE TOTAL					40.00			
VENDOR TOTAL					40.00			
1343 CLARK EQUIPMENT CO.								
3356141	1	6/28/23	6/28/23	EXCAVATOR	57,040.25	16	16-82-5403	1
	2			EXCAVATOR	10,030.17	03	03-70-5499	1
INVOICE TOTAL					67,070.42			
VENDOR TOTAL					67,070.42			
930 CLARKE WELL & EQUIP., INC								
20703	1	6/28/23	6/28/23	ENG MAINT PARTS	1,472.72	03	03-50-5244	1
INVOICE TOTAL					1,472.72			
VENDOR TOTAL					1,472.72			

SCHEDULED CLAIMS LIST

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST	GL ACCOUNT	CK SQ

				404 STERLING COMMUNITY WELLNESS CE				
2023	1	6/28/23	6/28/23	WELLNESS CENTER PASSES	1,000.00	01	01-00-5399	1
	2			WELLNESS CENTER PASSES	1,000.00	01	01-01-5399	1
	3			WELLNESS CENTER PASSES	2,800.00	01	01-11-5399	1
	4			WELLNESS CENTER PASSES	250.00	03	03-60-5399	1
	5			WELLNESS CENTER PASSES	250.00	03	03-50-5399	1
				INVOICE TOTAL	5,300.00			
				VENDOR TOTAL	5,300.00			
				260 DILLONS				
092333	1	6/28/23	6/28/23		52.71	01	01-00-5315	1
	2				181.55	01	01-17-5220	1
	3				58.48	03	03-60-5299	1
				INVOICE TOTAL	292.74			
				VENDOR TOTAL	292.74			
				1294 DUTTON-LAINSON COMPANY				
879724-1	1	6/28/23	6/28/23	METERS FOR EV CHARGING STATION AND CORWIN PROJECT	2,107.32	03	03-60-5223	1
				INVOICE TOTAL	2,107.32			
				VENDOR TOTAL	2,107.32			
				61 HOSPITAL DISTRICT #1				
23-68	1	6/28/23	6/28/23		1,406.10	01	01-01-5399	1
				INVOICE TOTAL	1,406.10			
				VENDOR TOTAL	1,406.10			
				1170 KDOR-MISCELLANEOUS TAX SECTION				
5-2023	1	6/28/23	6/28/23	SALES TAX	6,432.34	03	03-70-5501 E-PAYMNT 3140134 6/20/23	1
				INVOICE TOTAL	6,432.34			
5-23	1	6/28/23	6/28/23	MAY COMP USE TAX	1.26	03	03-70-5502 E-PAYMNT 3140132 6/20/23	1
				INVOICE TOTAL	1.26			
6-2023	1	6/28/23	6/28/23	SALES TAX	6,523.43	03	03-70-5501 E-PAYMNT 3140135 6/20/23	1
				INVOICE TOTAL	6,523.43			
6-23	1	6/28/23	6/28/23	COMP USE TAX	337.91	03	03-70-5502 E-PAYMNT 3140133 6/20/23	1
				INVOICE TOTAL	337.91			
MAY 2023	1	6/28/23	6/28/23	SALES TAX	1,233.89	03	03-70-5501 E-PAYMNT 3140136 6/20/23	1
				INVOICE TOTAL	1,233.89			
				VENDOR TOTAL	14,528.83			

SCHEDULED CLAIMS LIST

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST	GL ACCOUNT	CK SQ

				903 LYONS VET CLINIC				
84584	1	6/28/23	6/28/23	DOG IMPOUNDMENT FEES	241.00	01	01-01-5319	1
				INVOICE TOTAL	241.00			
				VENDOR TOTAL	241.00			
				977 MERIDIAN ANALYTICAL LABS, LLC				
W3001948	1	6/28/23	6/28/23	WASTEWATER SAMPLES	609.00	18	18-41-5399	1
				INVOICE TOTAL	609.00			
W3001949	1	6/28/23	6/28/23	WASTEWATER SAMPLES	144.00	18	18-41-5399	1
				INVOICE TOTAL	144.00			
				VENDOR TOTAL	753.00			
				1340 MIRATECH GROUP LLC				
A36493	1	6/28/23	6/28/23	FREIGHT TO SHIP CONVERTORS	268.93	03	03-50-5399	1
				INVOICE TOTAL	268.93			
				VENDOR TOTAL	268.93			
				41 PETTY CASH BOX				
7-23	1	6/28/23	6/28/23	REIMBURSE	20.00	01	01-01-5207	1
	2			REIMBURSE	16.26	01	01-00-5399	1
	3			REIMBURSE	3.58	01	01-17-5299	1
	4			REIMBURSE	4.00	03	03-50-5299	1
				INVOICE TOTAL	43.84			
				VENDOR TOTAL	43.84			
				42 PETTY CASH FUND				
7-23	1	6/28/23	6/28/23	REIMBURSE	32.52	01	01-00-5399	1
	2			REIMBURSE	64.38	01	01-01-5299	1
	3			REIMBURSE	107.30	01	01-11-5299	1
	4			REIMBURSE	32.66	01	01-17-5220	1
	5			REIMBURSE	17.75	02	02-60-5399	1
	6			REIMBURSE	36.42	03	03-60-5399	1
	7			REIMBURSE	379.63	03	03-70-5299	1
				INVOICE TOTAL	670.66			
				VENDOR TOTAL	670.66			
				266 POSTMASTER				
7-23	1	6/28/23	6/28/23	UTILITY BILLING STAMPS	240.00	02	02-70-5201	1
	2			UTILITY BILLING STAMPS	240.00	03	03-70-5201	1
	3			UTILITY BILLING STAMPS	240.00	18	18-42-5299	1
				INVOICE TOTAL	720.00			
				VENDOR TOTAL	720.00			
				44 PRINCIPAL LIFE INSURANCE CO				
7-23	1	6/28/23	6/28/23	LIFE INS	11.69	0103	01-00-5132	1
	2			LIFE INS	60.10	0103	01-01-5132	1
	3			LIFE INS	11.69	0203	02-60-5132	1

SCHEDULED CLAIMS LIST

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST	GL ACCOUNT	CK SQ
	4			LIFE INS	8.35	0203	02-70-5132	1
	5			LIFE INS	40.00	0303	03-50-5132	1
	6			LIFE INS	40.08	0303	03-60-5132	1
	7			LIFE INS	11.69	0303	03-70-5132	1
	8			LIFE INS	8.35	1803	18-41-5132	1
	9			LIFE INS	11.69	18	18-42-5132	1
	10			LIFE INS	8.35	19	19-00-5132	1
	11			LIFE INS	8.35	1603	16-00-5132	1
				INVOICE TOTAL	220.34			
				VENDOR TOTAL	220.34			
				125 R & R ROOFING CO				
2053	1	6/28/23	6/28/23	ROOF REPAIRS ON PUMP HOUSE	3,900.00	02	02-70-5399	1
				INVOICE TOTAL	3,900.00			
				VENDOR TOTAL	3,900.00			
				45 RICE COUNTY CLERK				
7-23	1	6/28/23	6/28/23	JULY DISPATCHING	2,940.00	01	01-01-5312	1
				INVOICE TOTAL	2,940.00			
				VENDOR TOTAL	2,940.00			
				1344 SCHAEFER ARCHITECTURE				
23-077	1	6/28/23	6/28/23	SWIMMING POOL ASSESSMENT	8,700.00	01	01-17-5399	1
				INVOICE TOTAL	8,700.00			
				VENDOR TOTAL	8,700.00			
				5 STANION WHOLESALE ELEC CO				
5544937-00	1	6/28/23	6/28/23	STREET LIGHT MAINT	26.58	03	03-60-5236	1
				INVOICE TOTAL	26.58			
5544950-00	1	6/28/23	6/28/23	4TH OF JULY VENDOR POWER	507.57	01	01-15-5399	1
				INVOICE TOTAL	507.57			
5544960-00	1	6/28/23	6/28/23	BATH HOUSE MAINT	232.65	01	01-17-5235	1
				INVOICE TOTAL	232.65			
5550800-00	1	6/28/23	6/28/23	STREET LIHJT MAINY	41.00	03	03-60-5236	1
	2			ELECTRICAL REPAIRS AT LAKE	212.63	01	01-15-5399	1
				INVOICE TOTAL	253.63			
5550800-01	1	6/28/23	6/28/23	SUPPLIES	865.89	03	03-60-5223	1
				INVOICE TOTAL	865.89			
5550800-02	1	6/28/23	6/28/23	SUPPLIES	339.47	03	03-60-5223	1
				INVOICE TOTAL	339.47			
5551781-00	1	6/28/23	6/28/23	ELECTRICAL WORK AT LAKE	205.53	03	03-60-5299	1
				INVOICE TOTAL	205.53			
				VENDOR TOTAL	2,431.32			

SCHEDULED CLAIMS LIST

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST GL	ACCOUNT	CK SQ

11657	1	6/28/23	6/28/23	746 SUPERIOR SAND & GRAVEL STREET MATERIALS	486.28	19	19-00-5215	1
				INVOICE TOTAL	486.28			
				VENDOR TOTAL	486.28			
EV CHARGE FINAL	1	6/28/23	6/28/23	844 SUTTON ELECTRIC, INC FIN PAY FOR CHARGING STATION	12,556.24	03	03-70-5399	1
				INVOICE TOTAL	12,556.24			
				VENDOR TOTAL	12,556.24			
000002	1	6/28/23	6/28/23	155 TEMP-AIRE INC	130.00	01	01-11-5315	1
				INVOICE TOTAL	130.00			
				VENDOR TOTAL	130.00			
23-0611	1	6/28/23	6/28/23	1023 THE WICHITA PUMP & SUPPLY CO. POOL MAINT	150.28	01	01-17-5299	1
				INVOICE TOTAL	150.28			
23-0698	1	6/28/23	6/28/23	POOL MAINT	38.68	01	01-17-5299	1
				INVOICE TOTAL	38.68			
				VENDOR TOTAL	188.96			
9937512683	1	6/28/23	6/28/23	629 VERIZON WIRELESS	80.16	01	01-01-5301	1
				INVOICE TOTAL	80.16			
				VENDOR TOTAL	80.16			
INV5328138	1	6/28/23	6/28/23	1022 WAGeworks	21.46	01	01-00-5399	1
	2				21.46	02	02-70-5399	1
	3				21.46	03	03-70-5399	1
	4				21.46	18	18-42-5399	1
	5				21.46	16	16-00-5399	1
	6				21.45	19	19-00-5399	1
				INVOICE TOTAL	128.75			
				VENDOR TOTAL	128.75			
35356	1	6/28/23	6/28/23	171 WALTON PLUMBING & HEATING AC REPAIR AT CITY HALL	115.80	01	01-00-5315	1
				INVOICE TOTAL	115.80			
				VENDOR TOTAL	115.80			
12151	1	6/28/23	6/28/23	435 WICHITA STATE UNIVERSITY KMW IMPACT STUDY	1,040.00	01	01-00-5399	1
				INVOICE TOTAL	1,040.00			

INVOICE#	LINE	DUE DATE	INVOICE DATE	REFERENCE	PAYMENT AMOUNT	DIST GL ACCOUNT	CK SQ
-----					VENDOR TOTAL	1,040.00	
					FIRST BANK TOTAL	158,777.03	
					TOTAL MANUAL CHECKS	.00	
					TOTAL E-PAYMENTS	14,528.83	
					TOTAL PURCH CARDS	.00	
					TOTAL ACH PAYMENTS	.00	
					TOTAL OPEN PAYMENTS	144,248.20	
					GRAND TOTALS	158,777.03	

**City of Sterling
City Commission Meeting
July 05, 2023**

TO: City Commission
SUBJECT: Electric Utility Power Plant System Assessment
INITIATED BY: Power Plant Superintendent
PREPARED BY: KMEA Mid-States/City Manager
AGENDA: New Business

Background: During the regularly scheduled City Commission meeting on October 17th 2022, the City Commission approved hiring KMEA Mid States to complete the Electric Utility Power Plant System Assessment. The City of Sterling Power Plant infrastructure is aging, our community is growing, and it is necessary to have a strategic plan identifying the future power needs for our community so we can purposefully place dollars into reinvesting into the system. A goal could be to initiate a capital project that will add generation capacity at the Power Plant while concurrently automating, upgrading, and retiring some of the current machinery. KMEA Mid State Energy will be present to review the highlights of the attached Assessment. The Assessment covers the above mentioned in greater detail, offers some opportunities for the City to consider, and also refreshes electric distribution projects prioritized in the 2014 Electric Distribution System Assessment.

Analysis: After reviewing the report with the Governing Body, City Staff will come together with KMEA Mid States to put forth “next steps” which could include designing the above generally described Power Plant project along with a plan to accelerate the “high importance” defined projects on the electric distribution Assessment. With the Catalytic Converter lease payments expiring this year, aging infrastructure concerns, and community growth, the City must put our Strategic Planning documents to work by placing some high priority projects on the near-term horizon.

Financial: The estimate for the Sterling Power Plant Strategic Plan was \$22,500 plus taxes, however the project will be invoiced on a time and material basis using KMEA Mid-States rate schedule. The City has not been billed for the cost of the work.

Legal Considerations: None

Recommendations/Actions: It is recommended the City Commission: Move to Receive and File the attached Electric Utility Power Plant System Assessment (**VOICE**).

Attachments: Exhibit A Electric Utility Power Plant System Assessment (16 pages)



SYSTEM ASSESSMENT

City of Sterling, Kansas

June 2023

INTRODUCTION

The purpose of this assessment is to provide the City of Sterling with information on the current state of their electric utility system. The Kansas Municipal Energy Agency (KMEA) was asked to visit the City of Sterling to evaluate the electric system and provide a written report on the findings. The study will focus on best construction practices, safety of equipment, apparent age and condition of equipment, and compliance with the National Electrical Safety Code (NESC). It is the goal of this report to help the City of Sterling in identifying areas of improvement to their system.

The City's electrical system is generally in good condition.

EXECUTIVE SUMMARY

The City of Sterling owns and operates its electric utility system. Power is delivered to the City off of Midwest Energy's 34.5 kV system. Two 7 MVA transformers drop the voltage from 34.5 kV to 4.16 kV at the City's substation. There are seven generators at the power plant. Four are connected to the 4.16 kV outdoor bus and three are connected to a 2,400 volt indoor bus. The 2,400 volt indoor bus is connect to the 4,160 kV outdoor bus through a step up transformer. There is not distribution load off of the 2,400 volt indoor bus. There are also eight feeders leaving the substation that deliver power throughout the City. Five of the feeders are connected to the east (original) bus and three are connected to the west (new) bus.

The City of Sterling completed a major upgrade to their substation recently. The upgrade added a second 7 MVA transformer at the substation and moved three of the eight circuits to the new transformer. The installation of the new transformer doubled the amount of power that the City is capable of receiving from Midwest Energy. It also reduced the load on the original transformer that was at its full load capacity during peak times. The addition of a second transformer also makes it much easier to maintain the transformers as well as much of the substation equipment. The substation is in good condition. The original transformer will need to have maintenance done to it's load tap changer (LTC) in the next seven to ten years.

The City's distribution system is made up of eight circuits or feeders. These feeders deliver power throughout the City. The distribution system is comprised of poles, conductors, underground cable, overhead transformers, padmount transformers, etc. The distribution system has been well maintained. There are parts of the distribution system that need improvement. The City hired ESC Engineering in 2014 to do a study of the distribution system. ESC identified ten projects to improve the ability to deliver power and to improve reliability. To date, two of the ten projects have been completed. The City needs to continue to work on the projects that were identified in the 2014 report. Project 3 and project 4 from the 2014 report should be the highest priority. The system will continue to age and will need to be maintained.

In 2021, the City peaked at 7.15 MW. The Southwest Power Pool (SPP) requires all utilities to maintain 115% spinning reserves. Therefore, the City of Sterling must have at least 8.2 MW of capacity to meet this requirement. The City can meet this capacity requirement with internal generation or with capacity purchased

outside of the City's system. The City currently has 10.95 MW of accredited capacity from its internal generation and a contract with GRDA. The excess capacity is currently sold to other cities within KMEA's EMP3 group. Of the 10.95 MW of accredited capacity, 1.5 MW of that comes from a contract with the Grand River Dam Authority (GRDA). The GRDA contract expires in May of 2026. Once the GRDA contract expires, the City will have 9.45 MW of accredited capacity. That will leave the City with 1.25 MW of spare capacity. That number will shrink as the City's load grows or if any units are derated. The City is currently selling about 2.6 MW of capacity to other cities in the KMEA power pool.

The City has seven generators at the power plant. Generators 1, 5, 6, and 7 are in good shape and are the most reliable. These four generators are basically all the same size at around 1.25 MW each. Generators 2 and 4 are small at less than 1 MW each. Generator 2 is basically used to get plant power established in an outage. Generator 3 is the largest engine at 2.3 MW. Parts for this engine are becoming harder to find and more expensive. Generator 3 has always had harmonic issues and is operated most of the time with the neutral open. The generator can be run this way as long as the City is tied to Midwest Energy. Once the City becomes disconnected from the grid, generator 3 can only be operated while the other engines are online.

The City should take a hard look at adding some additional generation at the plant. KMEA has been involved in several projects installing new generation in the past few years. Caterpillar's 3 MW diesel unit has been the most popular choice for other cities. It is certified Tier IV final at the factory. The 3 MW unit provides the most kW per dollar. We would recommend two of these units. This would allow the City to retire generators 2 and 4. Generator 3 could also be considered for retirement depending on the City's load growth.

Some cities are starting to automate their engines as older and more experienced operators retire. New operators typically do not get the experience their predecessors did. Automation can be done by adding newer, already automated engines or by adding automation to existing engines. Automating existing engines can be difficult depending on the controls that are currently utilized. Automating an engine can be as basic as monitoring pressures and temperatures with alarms or shutdowns when readings get outside of programmed boundaries. Automation can go as far as starting the engine, bringing it up to speed, synchronizing the generator to the grid, loading the generator, and then shutting down the engine after a run.

SYSTEM OVERVIEW

The City of Sterling is served electrical power from Midwest Energy's 34.5 kV sub-transmission system. The normal feed to the City is from a 115 kV to 34.5 kV substation located near Lyons, Kansas. The City can also be fed from a 34.5 kV source in the Nickerson area. The Lyons feed is much stronger. In addition, Midwest Energy has recently moved the Ethanol Plant north of Sterling off the 34.5 kV line feeding the City of Sterling. This has resulted in less voltage swings to the City.

The City takes power at their substation at 34.5 kV. There is a 7 MVA transformer that steps the voltage down from 34.5 kV to 4.16 kV. The City's 4.16 kV distribution system is a four-wire wye system. The main transformer has a load tap changer (LTC) which regulates the voltage and keeps it at acceptable levels when the voltage on Midwest's system moves around. There are eight feeders in the substation that deliver power to the City. Recently, the City added a second 7 MVA transformer to the substation and moved three of the circuits to the new transformer.

The City also has seven generators at their power plant located adjacent to the substation. The seven generators can operate on diesel or dual fuel. Dual fuel is a combination of diesel and natural gas. When running on dual fuel, the engine uses mostly natural gas but still needs some diesel for combustion. All seven of the engines are dual fuel. The #2 engine has not been run on natural gas for several years.

DISTRIBUTION SYSTEM

The City of Sterling's distribution system has been well maintained. However, like any utility, the system requires improvements from time to time. In 2014, ESC Engineering performed a thorough study of the City's distribution system. There were ten projects recommended in that study to improve the reliability of the distribution system and to provide room for growth.

Projects 1 and 6 from that study have been completed or are nearly completed. Project 3, which calls for a rebuild of the alley west of Broadway, and project 4, which calls for a rebuild of the alley east of Broadway, should be the highest priority moving forward. Each of the lines in these two alleys are double circuit lines. The City has eight distribution circuits so these two projects will improve half of the City's circuits.

After visiting with the City of Sterling's Electric Distribution Superintendent and looking the projects over with him, the remaining projects should be prioritized in the following order:

- Project 5 – 3rd and 4th Street alley rebuild
- Project 2 – circuit 7 blind alley rebuild
- Project 9 – 16th Street upgrade
- Project 7 – Circuit 3 upgrade
- Project 8 – Circuit 2 replacement and reroute

The cost estimates from the 2014 report are out of date.

SUBSTATION

The City of Sterling recently completed an extensive substation upgrade which included the addition of a 2nd transformer. The City's load has been continually increasing and approaching the capacity of the original transformer. In 2021, the City hit a peak load of 7.15 MW. Prior to the installation of the 2nd transformer, the City had to run a generator when the load approached the capacity or limit on the original transformer. With the installation of a 2nd transformer, the City can now pull double the load off of Midwest Energy's 34.5 kV system.

The substation upgrade doubled the capacity the City can take from Midwest's 34.5 kV system. It split the load between the transformers. Maintenance on the load tap changer (LTC) and other equipment can now be performed on the transformers without having to run generation. The substation is now in very good shape. The City may need to pull maintenance on the LTC on the east transformer in five or six years. Monitoring the LTC operations will dictate when this need to be completed. The last time the LTC on the east transformer was looked at was October of 2017.

CAPACITY

Capacity is the maximum amount something can contain or produce. When referring to an electrical system, it can be the maximum amount a transformer or a conductor can pass through itself, or capacity can refer to the maximum amount of electricity a generator can produce when it's running at full load. This maximum amount of power is typically measured in megawatts (MW) or kilowatts (kW) and helps utilities project just how big of an electrical load a generator can handle.

The City of Sterling peaked at 7.15 MW in 2021. The Southwest Power Pool (SPP) requires all utilities to have 115% spinning reserves. Therefore, the City of Sterling must have at least 8.2 MW of capacity to meet this requirement.

Capacity requirements can be met with generation that a utility has within its system, or capacity can be purchased on the market from other utilities.

The City currently has 10.95 MW of accredited capacity. 1.5 MW of that comes from the Grand River Dam Authority (GRDA). The contract for power from GRDA will expire in May of 2026.

The City currently sells their excess capacity to other Cities in the EMP3 group. That will be reduced by a little over \$46,000 per year when the GRDA contract expires in May of 2026.

POWER PLANT

What is the power plant worth to the City of Sterling. The City of Sterling peaked at 7.15 MW in 2021. The Southwest Power Pool (SPP) requires a reserve of 15%. So, Sterling must have at least 8.2 MW of capacity, either under contract or physically located in Sterling. EMP cities are currently trading capacity for \$2.25 per (kW)(month). At that rate, 8.2 MW is \$18,450 per month or \$221,400 per year. The City is currently selling their excess capacity to other cities in KMEA. The City is receiving about \$70,000 per year for their excess capacity. Future forecasts show capacity costs reaching \$5.00 per (kW)(month) in the next 3 to 5 years. At \$5.00 per (kW)(month), 8.2 MW would be \$492,000 per year. When the current 10.95 MW of accredited capacity is used in this calculation at current trading capacity it would be \$295,650 ($10.95 \times 1000 \times 2.25 \times 12$) and at future forecast trading capacity it would be \$657,000 ($10.95 \times 1000 \times 5.00 \times 12$).

All seven of the City of Sterling's generators were manufactured by Nordberg Manufacturing Company. As of today, Exline is the only OEM supplying replacement parts.

Generator #1 – Generator #1 was installed in the Sterling Power Plant in 1962. Generator #1 has a nameplate capacity of 1,262 kW. It's rated voltage is 2,400 volts delta. It is connected to the 2,400 volt indoor bus inside the power plant. Generator #1 has performed well for the City.

Generator #2 – Generator #2 was installed in the Sterling Power Plant in 1950. Generator #2 has a nameplate capacity of 372 kW. It's rated voltage is 2,400 volts delta. It is connected to the 2,400 volt indoor bus inside the power plant. Generator #2 is small and is basically used to establish the plant power during outages. It would not really be worth investing dollars into this engine.

Generator #3 – Generator #3 was installed in the Sterling Power Plant in 1972. Generator #3 has a nameplate capacity of 2,347 kW. It's rated voltage is 4,160 volts wye. It is connected to the original 4,160 volt outdoor bus at the power plant. Generator #3 is the City's largest generator. It has had its issues. The generator produces harmonics. To lower the effects of the harmonics, the generator is operated with an open neutral. Operating with the neutral open is acceptable as long as the City's system is connected to the utility grid or if there are other engines online with it. The tie transformers and other transformers establish the system neutral. If generator #3 were to be put online with the neutral open by itself, it would cause considerable damage to the single-phase equipment

throughout the City. In addition to the harmonic's issues, parts are becoming difficult and expensive to obtain.

Generator #4 – Generator #4 was installed in the Sterling Power Plant in 1955. Generator #4 has a nameplate capacity of 936 kW. It's rated voltage is 2,400 volts delta. It is connected to the 2,400 volt indoor bus inside the power plant. Generator #4 is not as small as generator #2, but it is still small at less than a MW. It would not really be worth investing dollars into this engine.

Generator #5 – Generator #5 was manufactured in 1959 and installed in the Sterling Power Plant in 2002. Generator #5 has a nameplate capacity of 1,261 kW. It's rated voltage is 4,160 volts wye. It is connected to the original 4,160 volt outdoor bus at the power plant. The relay on this unit has been recently upgraded to a SEL 700G relay. The intercooler on generator #5 utilizes city water for cooling. It would be good idea to modify the piping for the intercooler on generator #5 so that it uses water from the existing cooling tower. Generator #5 has performed well for the City.

Generator #6 – Generator #6 was manufactured in 1959 and installed in the Sterling Power Plant in 2002. Generator #6 has a nameplate capacity of 1,222 kW. It's rated voltage is 4,160 volts wye. It is connected to the original 4,160 volt outdoor bus at the power plant. The relay on this unit has been recently upgraded to a SEL 700G relay. The intercooler on generator #6 utilizes city water for cooling. It would be good idea to modify the piping for the intercooler on generator #6 so that it uses water from the existing cooling tower. Generator #6 has performed well for the City.

Generator #7 – Generator #7 was manufactured in 1959 and installed in the Sterling Power Plant in 2002. Generator #7 has a nameplate capacity of 1,284 kW. It's rated voltage is 4,160 volts wye. It is connected to the original 4,160 volt outdoor bus at the power plant. The relay on this unit has been recently upgraded to a SEL 700G relay. The intercooler on generator #7 utilizes city water for cooling. It would be good idea to modify the piping for the intercooler on generator #7 so that it uses water from the existing cooling tower. Generator #7 has performed well for the City.

The City of Sterling should consider adding generation. The existing units are showing their age. The City is losing 1.5 MW of capacity in 2026. The City has also had a fairly stable load growth.

There are several options for additional generation.

One option is used generators. There are used engines available. Used engines are usually relatively inexpensive to purchase. The real cost to a used engine is moving the engine and installing the engine. Used engines tend to be less automated and therefore more difficult to operate. They also tend to be less reliable.

Another option is new generation. There are several types of new engines available from different manufacturers. New dual fuel engines are very expensive. The total installed cost for a dual fuel engine usually runs between \$1,500 to \$2,000 per kW. Straight diesel is less costly. The installed cost for a straight diesel generation runs about \$1,000 per kW. Dual fuel is less costly to operate but has a higher initial cost. The City of Sterling would have to run a lot of hours when they can produce power cheaper than the market to make up the difference in cost.

KMEA currently has 17 generators to install and another 8 being considered. Of the 17 generators that are scheduled, 12 of them are new Caterpillar engines. All 17 engines are straight diesel. Most cities are choosing to install a 3 MW Caterpillar engine, which are certified Tier 4 final from the factory. The 3 MW CAT has the least installed cost per kW. The Tier 4 CAT generators also do not require annual catalyst testing.

It would be a good idea to connect any new generation to the new outdoor 4,160 volt bus.

RELAYS

Four of the City of Sterling's eight feeders have ABB Microshield (MSOC) relays. These relays are no longer supported by ABB. The City is not currently experiencing problems with these relays, but other cities have experienced problems.

Generators 5, 6, and 7 each have a new SEL 700G relay installed to help protect them. The other generators have much older and less reliable relays. Generators 2 and 4 are not large enough generators to warrant the investment to replace these two relays. The relays on generators 1 and 3 should be replaced.

The SEL relays will monitor time overcurrent, instantaneous overcurrent and have reclosing. The relays will meter the circuit that they are monitoring. The relays maintain a history and could communicate with a SCADA system. When an event occurs, the history will capture and time stamp the event. It will record the exact time the event occurred and the voltage and current on all three phases at that time.

AUTOMATION

With experienced operators retiring and less opportunity to run engines for training purposes, we are seeing more interest in purchasing automated engines or automating existing engines. Automation is the installation of computers or programmable logical controllers (PLC's) to monitor and operate engines. Automation can be as basic as monitoring pressures and temperatures with alarms or shutdowns when readings get outside of programmed boundaries. Automation can go as far as starting an engine, bringing it up to speed, synchronizing the generator to the grid, loading the generator, and then shutting down the engine after a run.

ALTERNATIVE ENERGY

Community solar projects are usually 1 to 5 megawatt solar arrays located within a community and are connected on a city's distribution system. Energy is produced and serves the community's load during peak hours of the day which is closely aligned with a city's peak load in the summer season. Community solar has a generation accreditation that will range from 30% to 60% of installed capacity which can be applied to a city's capacity obligation. Community solar energy production will range from 15% to 29% of installed capacity, depending on the location of the array and whether the system utilized is a fixed ground mounted system or a single axis tracking system.

Utility-scale solar or large-scale solar arrays generally range in size from 10 to 1,000 megawatts of installed generation interconnected and injected into the bulk electric system. These projects are generally owned by large developers with the energy offtake and accompanying products, like accredited capacity, being sold through long-term purchase power agreements to multiple counterparties like investor-owned utilities, coops, commercial customers and energy agencies like KMEA. Utility-scale solar has a generation accreditation that will range from 30% to 60% of installed capacity with energy production ranging from 25% to 29% of installed capacity.

Grid energy storage (also called large-scale energy storage) is a collection of methods used for energy storage on a large scale within an electrical power grid. Electrical energy is stored during times when electricity is plentiful and inexpensive, especially from intermittent power sources such as renewable electricity from wind power, run-of-river hydro power, and solar power. It is also stored when demand is low and then later returned to the grid when demand is high and electricity prices tend to be higher. Battery storage and pumped-storage hydro are examples of energy storage.

RECOMMENDATIONS

Overall, the City of Sterling's electrical system seems to be in good condition. KMEA Mid-States' recommendations would be the following:

- Replace ABB Microshield relays on four feeders with SEL 751A relays.
Time frame: next 10 years
Budget: \$8,500 each
- Replace relays on generator 1 and generator 3 with SEL 700G relays.
Time frame: next 5 years
Budget: \$15,000 each
- Complete project 3 from ESC Engineering study performed in 2014, which calls for a rebuild of the alley west of Broadway
Time frame: 2 years
Budget: \$510,000
- Complete project 4 from ESC Engineering study performed in 2014, which calls for a rebuild of the alley east of Broadway
Time frame: 4 years
Budget: \$380,000
- Looking at the age and capacity of the generators in the power plant and the fact that the head of the power plant is looking to retire in the next couple of years, the City of Sterling may want to look at adding some new, automated generation. The capacity payments to GRDA that will go away in 2026 could go towards paying for these generators. Currently the City is paying about \$190,000 per year to GRDA for capacity.
Time frame: 2 years
Budget: \$6,000,000 for 6 MW (2 generators)
- Pull maintenance on LTC on east transformer
Time frame: 5 years
Budget: \$15,000
- Intercooler for all generators need to be plumbed to the cooling tower
Time frame: 5 to 10 years
Budget: \$250,000

- Move generator #1 to 4,160 bus (off delta) if generator #2 and generator #4 are retired.
Time frame: 10 years
Budget: \$50,000

The head of both the line department and the power plant will most likely retire in the next two or three years. There is not a clear choice in either department for a replacement. Steps need to be taken prior to these retirements to make sure there is someone ready to take over.

KMEA Mid-States would be available to assist the City of Sterling with any of these issues.

**City of Sterling
City Commission Meeting
July 05, 2023**

TO: City Commission
SUBJECT: Overview Peace Park Dog Park Amenity
INITIATED BY: City Management Intern
PREPARED BY: City Management Intern
AGENDA: New Business

Background: City Staff have been working with the Park Board and citizen stakeholders on a preliminary plan for a potential dog park at Peace Park. City Staff have identified about a ½ acre area at Peace Park and have been working with the Kansas/Colorado Railroad on permission to use the site. While the railroad has never used this area in 100+, years, nor has any future use plans, it's important that the Dog Park facility (such as the fence and amenities) is relocatable should that ever become an issue.

Analysis: City Staff plans to apply for a Pet Safe Dog Park grant in the amount of \$25,000. 4 communities won \$25,000 in 2022. 2023 application opens in August of 2023.

Criteria for grant decision:

- Level of enthusiasm for a dog park within the community
- Level of support that will be provided for a dog park project within the Community
- Level of impact that a dog park project will have on the Community
- Level of need for a dog park project within the Community

To have a competitive Grant Application, City Staff will need to illustrate each of the four (4) Criteria mentioned above. Discovering whether the project meets those four (4) Criteria could be accomplished by completing Staff/Stakeholder led:

- Survey/questionnaires
- Focus groups
- Door to door support for citizens living nearby Peace Park
- Social media and Bulletin outreach
- Citizen-led petition

The competitive nature of the Grant Program is unknown at this point, however the Park Board and Stakeholders could look to raise funds within the community should the grant not be awarded. The City would match up to \$5,000 and the rest of the funding would need to be raised privately from interested citizens, businesses, and stakeholders. The project might need to be completed in phases beginning with the Black Chain Link Fence and building out from there as funding becomes available.

Financial: There is an estimated budget:

\$15,214: Black Chain Link Fence

\$1,605 – Dog Water Fountain
\$624 (2) - Benches
\$561 – Leash Post
\$479 – Waste Station
\$500 – Trash Can
\$7,738 – Amenities Kit
\$200 – Signage
\$2,000 – Shipping
TOTAL: \$29,545

Grant: \$25,000 City Match: \$4,545.

Legal Considerations: None

Recommendations/Actions: It is recommended the City Commission: None (**VOICE**).

Attachments: None

H.3 Water Fund Budget Workshop



Water Fund Revenue

Unencumbered Cash Balance January 1: Cash that is not anticipated to be needed for the fiscal year. Year to date the cash balance is much lower than we'd like it to be primarily due to the cascading water leak and well house steel door replacements and roof repairs. The rate change will help build the cash balance by end of 2023.

Sales to Customers: Revenues received for sale of municipal water to customers. Sales to customers will begin growing July 2023 with end of year July 2024 stabilizing due to a \$60,000 budgeted capital improvement investment toward water distribution line replacement.

Connect Fees: Revenues received for the provision of water service infrastructure and connection or reconnection to the municipal water customer. We could see some growth here with new development.

Water Tower Lease: Revenues received from payments to City from Verizon in an amount of \$1,436.30 per month for us of Water Tower. These Fees were last increased in 2018 and we began leasing to Verizon in 2009. Staff is currently negotiating a step increase and extension due to a request from Verizon to add to their current infrastructure footprint on the water tower.

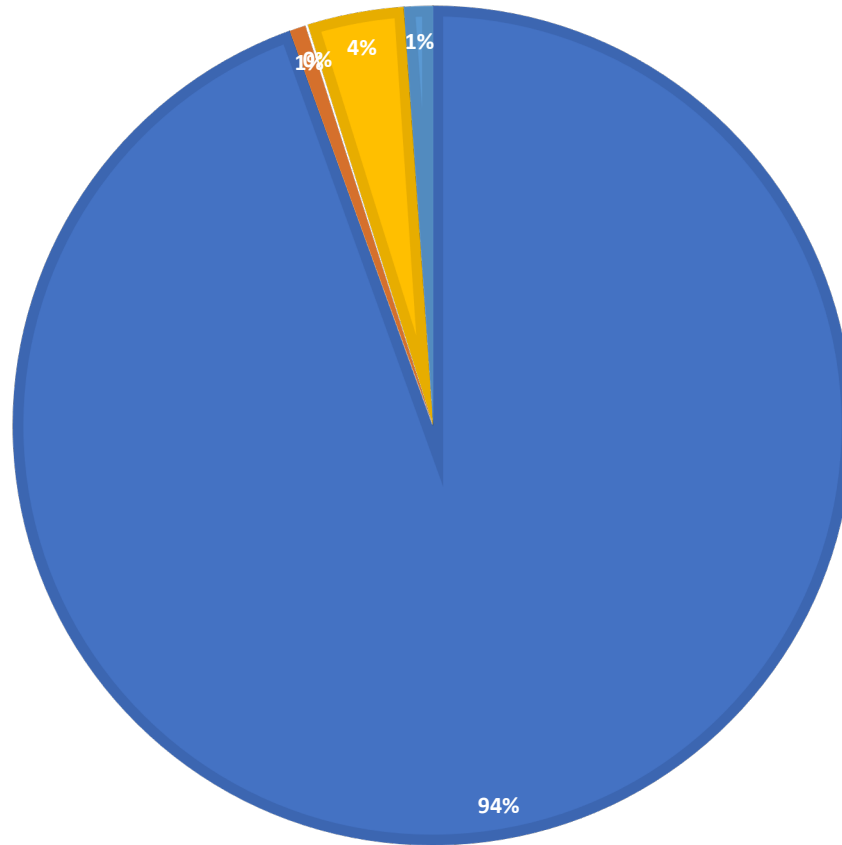
Misc.: Revenue received from new water service for new development projects or existing maintenance projects with staff time/material billed to property owner.

Water Fund Revenue	2022 Actual	2023 Estimate	2024 Proposed
Unencumbered Cash Balance Jan 1	\$36,582	\$68,447 (32,423)	\$69,348
Sales to Customers (Rate Change Effective 7/2023)	\$370,013	\$360,000 (\$183,840)	\$439,290
Connect Fees (Utility Connect + Reconnect Fee)	\$5,280	\$2,800 (\$1,620)	\$2,900
Hook Ups	\$453	\$500 (\$0)	\$500
Misc.	\$5,331	\$7,500 (12,013)	\$5,000
Tower Rent	\$16,373	\$17,232 (\$7,899)	\$17,232
Total Receipts	\$397,450	\$388,032 (\$205,372)	\$464,922
Resources Available (Cash Balance + Total Receipts)	434,023	\$456,479 (237,795)	\$534,270

*Year to Date as of 7/2/23 in Blue

2024 WATER FUND REVENUE

■ Sales to Customers ■ Connect Fees ■ Hook Ups ■ Water Tower Lease ■ Misc.



Water Fund Expense

Water Production/Treatment: Expenditures primarily related Chlorine, well maintenance, power for pumps, and testing supplies.

Water Distribution: Expenditures primarily wages, health insurance, vehicle gas/oil, water meters,, operating supplies (water line replacement equip.), and training. This line item is well overrun due to the emergency cascading water leak, bills from 2022 that were not invoiced until 2023, and significant new development expenses (which are recouped through Misc. Rev when Developers are billed for staff time and material).

Water Administration: Expenditures including wages, health insurance, and debt service (KDHE Loan/GO Bond Issuance). This expense goes down est. \$20,000 in 2024 due to 2012 Series B debt service expiring end of 2023.

Capital Improvement Fund: New fund created specifically for the water line replacement program.

Cash Carryover: Unused funds during a fiscal which are transferred to the cost center for the following year. There will be a good amount of variability here with the rate change coming into effect 7/2023.

Total Expenditures: All Water Fund expenses /less Unencumbered Cash Balance/Cash Carryover.

Unencumbered Cash Balance Dec 31: Available unused funds at the end of a fiscal year.

Water Fund Expense	2022 Actual	2023 Estimate	2024 Proposed
Production/Treatment	8,157	32,950 (\$8,345)	\$13,300
Distribution	166,483	158,996 (\$153,921)	\$177,165
Administration/Commercial General	190,945	191,402 (\$85,014)	\$173,961
Capital Improvement Fund (New)	-	-	\$60,000
Cash Carryover	36,582	47,168 (\$32,423)	\$57,522
Total Expenditures	365,585	383,348 (\$279,703)	\$424,426
Unencumbered Cash Balance Dec 31	68,447	69,348 (\$69,348)	\$77,357

*Year to date as of 7/2/2023 in light blue

WATER EXPENSE

■ Production/Treatment ■ Distribution ■ Administration ■ Capital Improvement Fund

