

**EDGERTON CITY COUNCIL
WORK SESSION AGENDA
CITY HALL
404 EAST NELSON STREET
June 13, 2019**

**Work Session will begin following adjournment
of regularly scheduled council meeting.**

1. Call to Order
2. Roll Call ____ Roberts ____ Longanecker ____ Brown ____ Conus ____ Lewis ____ Smith
3. 2019-2024 Vehicles & Equipment
4. Adjourn



June 10, 2019

To: Mayor and City Council Members

From: Beth Linn, City Administrator
Karen Kindle, Finance Director
Dan Merkh, Public Works Director

Re: Vehicles and Equipment Replacement Program 2019-2024

Vehicle and Equipment Policy

The City of Edgerton adopted a Vehicle and Equipment Replacement Policy to provide a framework for decisions related to long-range vehicle and equipment replacement. A copy of that policy has been included with the Work Session Packet. The policy states that as part of the annual budget process, staff shall update the inventory schedule including information about the equipment, its condition, estimated replacement year, etc. The schedule is to be presented to the Governing Body along with relevant details for budgeting purposes.

Vehicle and Equipment Replacement Program

Staff has reviewed and updated the Vehicles & Equipment Replacement Program as part of the annual budget process. To assist the Governing Body in this process, staff has updated the format of the Program to be structured similar to the City's Five-Year Capital Improvement Program. The enclosed updated documents include the following sections:

- **Vehicle and Equipment Replacement Program – Current (2019-2020):** Items in the City's fleet scheduled for replacement in current budget or proposed budget year. Note – the Elgin Broom Badger is included as the City has two remaining lease payments for this piece of equipment (2019 and 2020).
- **Vehicle and Equipment Replacement Program – Future (2021+):** Items in City's fleet scheduled for replacement in future budget years (2021 or later) based on the City's adopted policy.
- **Unfunded New Vehicle and Equipment Request:** New request for items being requested by staff or vary significantly from item being replaced that is treated as a new request. These are divided into two categories – recommended by staff and not recommended at this time (due to need for further evaluation or lower prioritization at this time). Enclosed with the Work Session packet is a request form for each new vehicle or equipment. The request forms provided more detailed information about the piece of equipment requested, including how the equipment will be used in City operations, etc.
- **Items Recommended for Disposal:** Items no longer needed by the City that should be disposed of. The list includes the recommended disposal method. If the item is not able to be disposed of via the recommended method, then staff would sell the item for scrap. Any funds received from disposition are deposited into the Vehicle and Equipment Replacement Fund based on allocation of the item.

Fund Summary

The Fund Summary shows the forecast for the three vehicle and equipment reserve funds (general, water, sewer) over the five-year planning period based on City's fleet of vehicles and equipment.

To assist the Governing Body in considering the Unfunded New Requests, staff also prepared additional scenarios for the Fund Summary.

- Scenario 1: Includes all of the RECOMMENDED Unfunded New Requests
- Scenario 2: Includes all of the RECOMMENDED Unfunded New Requests with items \$200,000 and over as lease to purchase

Revenues During 5-Year Plan

- The Equipment Reserve Fund – General shows a recommended increase in annual funding from \$79,250 to \$125,000 in order to cover a larger fleet of vehicles and equipment. Governing Body will consider this recommended increase during the General Fund Budget Work Session.
- The Equipment Reserve Fund – Water does not reflect any transfers from the Water Fund during the 5-year period. When preparing the 2020 Budget, staff will evaluate if funding is available to make any transfers and make a recommendation for the Governing Body to consider.
- The Equipment Reserve Fund – Sewer only shows a transfer from the Sewer Fund in 2019. When preparing the 2020 Budget, staff will evaluate the amount of funding available to make any transfers and make a recommendation for the Governing Body to consider.

Ending Fund Balances During the 5-Year Plan

- Equipment Reserve Fund – General
 - The balance annually and at the end of the 5-year plan is positive.
 - For Scenario 1 – The large purchases in 2020 leave the fund with a negative balance, although the fund recovers over the Five-Year forecast to end positive.
 - For Scenario 2 – Use of the lease to purchase spreads the impact of the large purchases in 2020 over the Five-Year forecast keeping the annual and ending balance positive.
- Equipment Reserve Fund – Water
 - No Recommended Unfunded New Requests for the water operations
 - Annual and ending balance is positive.
- Equipment Reserve Fund – Sewer
 - No Recommended Unfunded New Request for sewer operations
 - Balance at the end of the 5-year plan is negative
 - During preparation of the 2020 Budget staff will look at the ability of the Sewer Fund to make a transfer to the Equipment Reserve Fund-Sewer and make a recommendation for the Governing Body to consider

Presentation

Staff has prepared a presentation for the Work Session to showcase for the Governing Body the City's existing fleet of vehicles and equipment. It also includes discussion of the Unfunded New Request recommended by Staff. A copy of the presentation is enclosed.

Next Steps

Following direction from the Governing Body at the June 13th Work Session, staff will update the Vehicle and Equipment Replacement Program. Those updated documents will be included for consideration by Edgerton City Council at the August 22, 2019 council meeting with the 2020 Budget. Once approved, staff will bring forward the individual items for purchase based on the City's Purchasing Policy and Vehicle and Equipment Policy.

City of Edgerton
Vehicle and Equipment Replacement Policy

1. Policy Objective

The objective of the Vehicle and Equipment Replacement Policy is to provide effective guidelines for administering and accounting for the City's vehicle and equipment replacement; to act as a framework for decisions related to long-range vehicle replacement; and to act as a budgeting guide for the Governing Body and staff.

2. Vehicle and Equipment Replacement Schedule

Annually, as part of the budget process, the City Administrator and the Department Heads shall update the inventory schedule of all City vehicles and equipment. The schedule should include detailed information about the equipment, its condition, estimated replacement year, estimated replacement cost and how the vehicle or equipment should be allocated among general City operations, water operations and sewer operations. The schedule shall be the basis of budget discussions and decisions regarding vehicle and equipment replacement. The schedule shall be presented to the Governing Body along with other budget information.

3. Replacement Considerations

The Schedule of Estimated Useful Lives in Appendix A should be used as a guide for replacing vehicles and equipment. In addition to the estimated useful life, the items listed below should also be considered when determining if a vehicle or piece of equipment should be replaced.

- Maintenance and repair costs
- Performance
- Resale value
- Dependability
- Major mechanical failures
- Technological changes
- Fuel consumption
- Physical appearance
- Safety issues
- Obsolescence

4. Purchasing and Acquisition

Purchases of vehicles and equipment shall be made in accordance with the City's Purchasing Policy, City Code and other applicable ordinances, resolutions and state law.

Purchases of vehicles and equipment should first attempt to utilize existing cooperative purchasing partnerships as outlined in the City's Purchasing Policy. When purchasing vehicles under cooperative purchasing partnerships, City staff should also research available comparable used vehicles available in the Kansas City metropolitan area. Information on comparable used vehicles should be presented along with cooperative purchase information when seeking approval from the Governing Body.

5. Financing

As part of the annual budget process, the City Administrator shall submit to the Governing Body a recommendation for the financing of all proposed vehicles and equipment that are planned for that budget year.

The following financing methods may be considered by the City Administrator for all vehicles and equipment.

City of Edgerton
Vehicle and Equipment Replacement Policy

- A. Pay as You Go Financing (PAYG): Utilizes current year revenues or reserves. This is the preferred method of financing vehicles and equipment.
- B. General Obligation Bonds: General obligation bonds will not be issued for vehicles or equipment where the acquisition cost is less than \$250,000. The City will structure the general obligation bond debt for vehicles and equipment to mature over 10 – 15 years or the useful life of the vehicle or equipment, whichever is less with at least 60% of the debt service amortization in the first 10 years of the issue.
- C. Lease and Lease Purchase: Lease obligations and other long-term agreements may be used as a flexible, financial alternative for acquiring vehicles and equipment. The City will plan issuance of lease obligations and other long-term financing agreements according to the following guidelines.
 - a. The City Administrator, or designee, will determine and document the justification for each proposed lease transaction. The justification should include an explanation for not recommending PAYG financing or general obligation debt financing. An analysis of various financing strategies should be performed to allow for the lowest possible cost to the City.
 - b. Each transaction will include lease payments and a cash flow statement over the life of the transaction.
 - c. The scheduled maturity shall not exceed the anticipated useful life of the item, and in no case shall exceed 20 years.

6. Maintenance and Repair

The Department Heads will be responsible for all maintenance necessary for the continued operation for the City's vehicles and equipment. The Department Heads shall be responsible for determining what specific types of maintenance will be done in-house and what types will be sent to a mechanic. In making this determination, the following factors should be considered:

- A. Cost of in-house maintenance
- B. Time needed to completed maintenance task
- C. Knowledge of Department with specific maintenance task
- D. Experience of Department with specific maintenance task
- E. Ability to attain necessary parts in a timely manner.

If maintenance is determined to be sent to a mechanic, the Department Head, or designee, shall be responsible for complying with the City's Purchasing Policy. The Department Head, or designee, shall maintain documentation of all maintenance and repairs for vehicles and equipment.

7. Disposition of Vehicles and Equipment

When it is determined that a vehicle or equipment should be replaced, the City should dispose of the replaced item using the method that will produce the greatest amount of value for the City. The acceptable disposal methods are listed below. The City Council will approve assets for disposal and the disposal method. Vehicles and equipment will not be sold to employees of the City.

- A. Trade-in – the vehicle or equipment is traded in on the new vehicle or equipment and the price of the new vehicle or equipment is reduced.
- B. Sold at Auction - The City should use a reputable auction service, including on-line auction services. The City should receive a detailed accounting of the sale price for each item sold.
- C. Scrap – The vehicle or equipment is sold for scrap metal or it is kept on hand for parts.
- D. Destroyed – The vehicle or equipment was destroyed.

Money received from the sale of vehicles and equipment shall be deposited into the Equipment Reserve Funds for general City operations, water operations and sewer operations. The sale

City of Edgerton
Vehicle and Equipment Replacement Policy

proceeds should be allocated among the three funds according to the allocation percentages for each item as listed on the Vehicle and Equipment Replacement Schedule

8. Insurance

The City shall maintain at least the minimum state required insurance coverage on all vehicles and equipment. When new vehicles or equipment are purchased, the City Clerk shall notify the City's insurance agent to add the vehicle or equipment to the City's policy. When vehicles or equipment are sold/traded in/scrapped/destroyed, the Department Head shall notify the City Clerk who will notify the City's insurance agent that the items should be removed from the City's policy.

9. Responsibility for Enforcement

The City Administrator has overall responsibility for enforcement of this policy.

10. Effective Date

This policy shall take effect and be in force from and after its passage and approval.

City of Edgerton
Vehicle and Equipment Replacement Policy

Appendix A
Useful Life of Vehicles and Equipment

Item Type	Useful Life in Years	Mileage/Number of Hours
Non-Truck Vehicle	10	100,000 miles
Pickup Trucks (1 ton or less)	10	100,000 miles
Heavy Trucks (greater than 1 ton	10	100,000 miles
Mowers	n/a	1,500 hours
Dump Trucks	10	70,000 miles
Back Hoe	13	5,000 – 6,000 hours
Uni-Loader	13	4,000 – 5,000 hours
Bucket Truck	10	
Sewer Jetter	15	4,000 hours
Street Sweeper	10	5,000 – 6,000 hours
Snow Blade	10	
Utility Trailer	10	
Salt Spreader	10	
Road Grader	13	
Roller	13	
Crack Seal Machine	13	
Storm Siren	10	
Radio	10	
Water Meter	10	

Vehicle and Equipment Replacement Program (2019-2020)																
Equipment Description	VIN/Serial #	Item Number	Dept.	Equip Type	Purch Year	Model Year	Current Mileage/ Hours	Est. Yearly Mileage/ Hours	Usage Frequency	General Condition	Effectiveness	Projected Replace Cost	Updated Est. Replacement Year	Alloc % Fund 13 General	Alloc % Fund 27 Water	Alloc % Fund 37 Sewer
Elgin Broom Badger	JALE5W160G7303812	308	PW	Equipment	2016	2016	500	1,500	Weekly	Excellent	Very Effective	lease 16-20	lease 16-20	100%	0%	0%
Ford F-250 4WD	1FTNF21L41EB39836	104	PW	Vehicle	2000	2000	102,721	8000 +	Daily	Good	Effective	\$ 45,000	2020	100%	0%	0%

Vehicle and Replacement Program (2021+)

Equipment Description	VIN/Serial #	Item Number	Dept.	Equip Type	Purch Year	Model Year	Current Mileage/ Hours	Est. Yearly Mileage/ Hours	Usage Frequency	General Condition	Effectiveness	Projected Replace Cost	Updated Est. Replacement Year	Multi-yr. or Lease 2026+	Alloc % Fund 13 General	Alloc % Fund 27 Water	Alloc % Fund 37 Sewer
Hustler Super Z HD 60RD - HTE934935	17073115	N-305	PK	Equipment	2017	2017	129.1		Seasonally	Excellent	Very Effective	\$ 11,172	2023		100%	0%	0%
Hustler Super Z HD 72RD - HTE934976	17090534	N-310	PK	Equipment	2017	2017	126.8		Seasonally	Excellent	Very Effective	\$ 11,377	2023		100%	0%	0%
Chevrolet 2 Wheel #108		108	UT	Vehicle	2012	2003	50,399	15,295	Daily	Good	Effective	\$ 27,000	2023		0%	50%	50%
Case 1840 Uni-Loader	JAF0266786		UT	Equipment	?	1995	1,416	?	Daily	Fair	Effective	\$ 50,000	2023		0%	50%	50%
Sewer Equipment Sewer Jet (trailer)	1S9KU21278C381582	319	UT	Equipment	2009	2009	105	17	Daily	Excellent	Very Effective	\$ 75,000	2023		0%	0%	100%
Storm Siren - 1100 W. Braun		EM02	PW	Storm Siren	1999	1999	NA	NA	Occasionally	Good	Effective	\$ 26,000	2024		100%	0%	0%
Ford F-350 4WD - Flat Bed	1FTRF3B61FEA88523	107	PW	Vehicle	2014	2014	17967	8000 +	Daily	Excellent	Very Effective	\$ 39,500	2024		100%	0%	0%
Phone System		301	AD	Equipment	2017	2017			Daily	Excellent	Very Effective	\$ 5,000	2025		34%	33%	33%
Ford F150 EcoBoost (Bldg. Inspector)		101	CD	Vehicle	2015	2015			Daily	Excellent	Very Effective	\$ 30,000	2025		100%	0%	0%
Ford F-150 EcoBoost (Charlie)		102	CD	Vehicle	2015	2015	600	6,000	Daily	Excellent	Very Effective	\$ 30,000	2025		100%	0%	0%
Simplicity 32 walk behind mower (Codes)		304	CD	Equipment	2010	2010	200		Seasonally	Excellent	Very Effective	\$ 3,000	2025		100%	0%	0%
Ford F-250 4WD Truck	1ZTRF3B61FEA88530	106	PW	Vehicle	2014	2014	14,049	8000 +	Daily	Excellent	Very Effective	\$ 27,000	2025		100%	0%	0%
Storm Siren - IMF Lift Station		EM05	PW	Storm Siren	2015	2015	NA	NA	Occasionally	Excellent	Very Effective	\$ 26,000	2025		100%	0%	0%
Storm Siren - 207th & Columbine Cemetery		EM06	PW	Storm Siren	New Req	New Req	NA	NA	Occasionally	New Req	New Req	\$ 26,000	2025		100%	0%	0%
60 Inch Bad Boy Outlaw Zero Turn Mower (BBCWWTP)		320	UT	Equipment	2015	2015	159		Seasonally	New Req	New Req	\$ 7,000	2025		0%	0%	100%
Starlight Utility Trailer		323	UT	Equipment			NA	NA	Daily	Excellent	Very Effective	\$ 7,500	2025		0%	50%	50%
Wright Stander 61" Zero Turn Mower	WSZK61s61E8E-49s		PW	Equipment	2018	2018	91.1		Seasonally	Excellent	Effective	\$ 9,083	2025		100%	0%	0%
Storm Siren - Manor Park		EM01	PW	Storm Siren	2016	2016	NA	NA	Occasionally	Good	Effective	\$ 26,000	2026		100%	0%	0%
SCADA System		321	UT	Equipment	2016	2016			Daily	Excellent	Very Effective	\$ 90,000	2026		0%	100%	0%
Ford F-350 4WD (Parks)	1FT8W3B60HEE05312	N-103	PK	Vehicle	2017	2017	0	6,000	Daily	Excellent	Very Effective	\$ 33,500	2027		100%	0%	0%
Snow Plow (Parks Truck)	17022110090376900	P103	PK	Snow & Ice	2017	2017	NA	NA	Seasonally	Excellent	Very Effective	\$ 8,000	2027		100%	0%	0%
Boss 8' to 10' EXT Snow Plow STB19200	401250652	N-P106	PW	Snow & Ice	2017	2017	NA	NA	Seasonally	Excellent	Very Effective	\$ 8,000	2027		100%	0%	0%
Boss 8' to 10' EXT Snow Plow STB19200	401250953	N-P106	PW	Snow & Ice	2017	2017	NA	NA	Seasonally	Excellent	Very Effective	\$ 8,000	2027		100%	0%	0%
Buyers Salt Dogg - 8ft Elect.	oo4780	N-S107	PW	Snow & Ice	2017	2017	NA	NA	Seasonally	Excellent	Very Effective	\$ 6,500	2027		100%	0%	0%
Ford F-350 CC		N-105	PW	Vehicle	2019	2019			Daily	Excellent	Very Effective	\$ 42,500	2028		100%	0%	0%
Future Line - Rancher Flat Bed		FB-105	PW	Vehicle	2019	2019			Daily	Excellent	Very Effective	\$ 9,000	2028		100%	0%	0%
Meyers 9.0 LP Commercial		PL-105	PW	Snow & Ice	2019	2019			Daily	Excellent	Very Effective	\$ 7,200	2028		100%	0%	0%
Ford R-350 CC		109	UT	Vehicle	2019	2019			Daily	Excellent	Very Effective	\$ 42,500	2028		0%	50%	50%
Palfinger - PCB 20 Utility Bed			UT	Vehicle	2019	2019			Daily	Excellent	Very Effective	\$ 11,000	2028		0%	50%	50%
Palfinger - PSC 3218 Service Crane			UT	Equipment	2019	2019			Daily	Excellent	Very Effective	\$ 22,000	2028		0%	50%	50%
John Deere 50G Compact Excavator	1FF050GXPGH284368	313	PW	Equipment	2017	2017	171.1		Daily	Excellent	Very Effective	\$ 70,000	2029		34%	33%	33%
Utility Task Vehicle	A5KC2GDBAHG034584	324	PK	Equipment	2017	2017	430.6		Daily	Excellent	Very Effective	\$ 20,000	2030		100%	0%	0%
UTV Plow V5289	21615504	P324	PK	Snow & Ice	2017	2017	NA	NA	Seasonally	Excellent	Very Effective	\$ 5,000	2030		100%	0%	0%
Mack Granite GU 432	1M2AX34C2HM010728	N - 203	PW	Heavy Truck	2017	2017	0	3,000	Weekly	Excellent	Very Effective	\$ 140,500	2030		100%	0%	0%
Tough Equipment ARM SPX 10ft Plow	7796	N - P203	PW	Snow & Ice	2017	2017	NA	NA	Seasonally	Excellent	Very Effective	\$ 7,500	2030		100%	0%	0%
Tough Equipment ARM Tail Gate Spreader	9.14.2017	N - S203	PW	Snow & Ice	2017	2017	NA	NA	Seasonally	Excellent	Very Effective	\$ 4,500	2030		100%	0%	0%
Traffic CAD Software	229968H BC170600	PWS03-2	PW	Equipment	2017	2017	NA	NA	Weekly	Excellent	Very Effective	\$ 3,300	2030		100%	0%	0%
Graphtec FC8600-130 Sign Plotter		PWS03	PW	Equipment	2017	2017	NA	NA	Weekly	Excellent	Very Effective	\$ 9,500	2030		100%	0%	0%
48" HSRA Squeese Roller		PWS03-3	PW	Equipment	2017	2017	NA	NA	Weekly	Excellent	Very Effective	\$ 2,300	2030		100%	0%	0%
Rotory SMO14 - Vehicle Lift	FA7147	PWS01	PW	Equipment	2016	2016	NA	NA	Daily	Excellent	Very Effective	\$ 13,500	2032		100%	0%	0%
Cub-Cadet Snow Blower - 31DH975W710	16174B10153	324	PW	Equipment	2015	2015	NA	NA	Seasonally	Excellent	Very Effective	\$ 3,200	2035		100%	0%	0%
Kubota SSV75 Skid Steer - 23116/8HL2632	JKUS075K10J23116	318	PW	Equipment	2017	2017	322.3	50	Weekly	Excellent	Very Effective	\$ 46,500	2036		100%	0%	0%
Cold Planer - AP450HD	C13117	CP-318	PW	Equipment	2018	2018			Seasonally	Excellent	Very Effective	\$ 13,480	2036		100%	0%	0%
Kubota SSV75 Skid Steer - Tooth Bucket	1031804K	TB-318	PW	Equipment	2017	2017			Weekly	Excellent	Very Effective	incl w/skid steer	2036		100%	0%	0%
Kubota SSV75 Skid Steer - Smooth Bucket	1011803K	SB-318	PW	Equipment	2017	2017			Weekly	Excellent	Very Effective	incl w/skid steer	2036		100%	0%	0%
John Deere Smooth Bucket	X2010041649		PW	Equipment	2016	2016			Monthly	Excellent	Very Effective	incl w/skid steer	2036		100%	0%	0%
Apprentice Tool Set	Cornwell -	PWS02	PW	Equipment	2016	2016	NA	NA	Daily	Excellent	Very Effective	\$ 6,000	2036		100%	0%	0%
Homestead Ln (S) @ I35	203361c/ts		PW	Traffic Signal	2016	2016	NA	NA	Daily	Excellent	Very Effective	\$ 145,000	2036		100%	0%	0%
Homestead Ln (N) @ I35	203651c/ts		PW	Traffic Signal	2016	2016	NA	NA	Daily	Excellent	Very Effective	\$ 145,500	2036		100%	0%	0%
Homestead Ln @ 199th St	327081c/ts		PW	Traffic Signal	2016	2016	NA	NA	Daily	Excellent	Very Effective	\$ 130,000	2036		100%	0%	0%

Vehicle and Replacement Program (2021+)

Equipment Description	VIN/Serial #	Item Number	Dept.	Equip Type	Purch Year	Model Year	Current Mileage/ Hours	Est. Yearly Mileage/ Hours	Usage Frequency	General Condition	Effectiveness	Projected Replace Cost	Updated Est. Replacement Year	Multi-yr. or Lease 2026+	Alloc % Fund 13 General	Alloc % Fund 27 Water	Alloc % Fund 37 Sewer
Homestead Ln @ 191th St	19108lc/ts		PW	Traffic Signal	2016	2016	NA	NA	Daily	Excellent	Very Effective	\$ 207,000	2036		100%	0%	0%
Mahindra 2555 HST Compact Tractor	55HC K00859	N-311	PK	Equipment	2018	2018	83.4	150	Weekly	Excellent	Very Effective	\$ 34,000	2037		100%	0%	0%
Mahindra 2555 Loader	55CL K00383	L-311	PK	Equipment	2018	2018			Weekly	Excellent	Very Effective	incl with tractor	2037		100%	0%	0%
Mahindra Box Blade	245749		PK	Equipment	2018	2018			Monthly	Excellent	Very Effective	\$ 1,172	2037		100%	0%	0%
Mahindra Aerator-12	K13361-1		PK	Equipment	2018	2018			Monthly	Excellent	Very Effective	\$ 3,350	2037		100%	0%	0%
Lamar 83" x 18' Trailer	5RVUC182XJP056353	N-307	PK	Equipment	2017	2017	NA	NA	Daily	Excellent	Very Effective	\$ 3,500	2037		100%	0%	0%
Cat 12m3 AWD Motor Grader	CAT0012MHN9B00409	316	PW	Equipment	2017	2017	238.0		Weekly	Excellent	Very Effective	\$ 300,000	2037		100%	0%	0%
V-Plow (Cat 12m3 AWD Motor Grader)		VP316	PW	Equipment	2014	2014	NA	NA	Seasonally	Excellent	Very Effective	\$ 25,000	2037		100%	0%	0%
Volvo DD25B Roller	VCE0D25BF0H661034	N-317	PW	Equipment	2018	2018	7.0	50	Seasonally	Excellent	Very Effective	\$ 36,000	2037		100%	0%	0%
191st St @ Waverly Rd			PW	Traffic Signal	2017	2017	NA	NA	Daily	Excellent	Very Effective	\$ 211,000	2037		100%	0%	0%
Diamond C 13 Deckover Equipment Trailer	46UFU2426J1195966		PW	Equipment	2018	2018	NA	NA	Daily	Excellent	Very Effective	\$ 8,290	2038		34%	33%	33%
Diamond C 48HDT	46UF2423J1203361		PW	Equipment	2018	2018	NA	NA	Daily	Excellent	Very Effective	\$ 9,359	2038		100%	0%	0%
Streetlights - Homestead Ln Interchange			PW	Streetlight	2013	2013	NA	NA	Daily	Excellent	Very Effective	\$ 228,000	2043		100%	0%	0%
Streetlights - Waverly Rd Bridge			PW	Streetlight	2016	2016	NA	NA	Daily	Excellent	Very Effective	\$ 222,300	2046		100%	0%	0%
Streetlights - Homestead & 207th			PW	Streetlight	2019	2019			Daily	Excellent	Very Effective	\$ 417,640	2049		100%	0%	0%

Y = Yes
edp = on schedule of IT equipment
np = not purchased yet

Unfunded New Vehicle and Equipment Request - Recommended

Equipment Description	Dept.	Equip Type	Estimated Cost	Recommended Year	Alloc % Fund 13 General	Alloc % Fund 27 Water	Alloc % Fund 37 Sewer
Motor Grader Scarifier	PW	Equipment	\$ 10,000	2019	100%	0%	0%
Boxbroom Sweeper Attachment	PW	Equipment	\$ 10,000	2019	100%	0%	0%
Storm Siren	PW	Storm Siren	\$ 26,000	2019	100%	0%	0%
Portable Radios (4)	PW	Equipment	\$ 8,800	2019	100%	0%	0%
Animal Control Truck Bed Insert - Dogs	CD	Equipment	\$ 4,500	2019	100%	0%	0%
Storm Siren	PW	Storm Siren	\$ 26,000	2020	100%	0%	0%
Asphalt Crack Seal Machine (trailer mounted)	PW	Equipment	\$ 50,000	2020	100%	0%	0%
Wheel Loader	PW	Equipment	\$ 200,000	2020	100%	0%	0%
Tandem Dump Truck	PW	Heavy Truck	\$ 250,000	2020	100%	0%	0%

Unfunded New Vehicle and Equipment Request - Not Recommended

Equipment Description	Dept.	Equip Type	Estimated Cost	Recommended Year	Alloc % Fund 13 General	Alloc % Fund 27 Water	Alloc % Fund 37 Sewer
PTO Overseeder (tractor attachment) (ballfields)	PK	Equipment	\$ 8,400	n/a	100%	0%	0%
Concrete Crack Seal Machine (trailer mounted)	PW	Equipment	\$ 50,000	n/a	100%	0%	0%
Concrete Saw	PW	Equipment	\$ 5,000	n/a	100%	0%	0%
Diagnostic Scan Tool	PW	Equipment	\$ 10,000	n/a	100%	0%	0%
Dump Truck	PW	Heavy Truck	\$ 70,000	n/a	100%	0%	0%
GPS Data Collection System	PW	Equipment	\$ 10,000	n/a	100%	0%	0%
Hydraulic Hammer Skid Steer Attachment	PW	Equipment	\$ 12,125	n/a	100%	0%	0%
Snow Blower attachment for UTV (trail size)	PW	Equipment	\$ 22,000	n/a	100%	0%	0%
Storm Siren	PW	Storm Siren	\$ 26,000	n/a	100%	0%	0%

Items for Recommended for Disposal

Equipment Description	VIN/Serial #	Item Number	Dept.	Equip Type	Purch Year	Date of Council Approval	Intended Method of Disposition	Alloc % Fund 13 General	Alloc % Fund 27 Water	Alloc % Fund 37 Sewer
Henke Snow Plow - AK Hwy	19053	P204	PW	Snow & Ice	2015		Purple Wave	100%	0%	0%
Henke Spreader - 1000	19148	S204	PW	Snow & Ice	2015		Purple Wave	100%	0%	0%
Case 580 Super K Backhoe	JJG0178453	309	PW	Equipment	1993		Purple Wave	100%	0%	0%
11ft Snow Plow - MP36R11-ISCT	10.10.1219	P203	PW	Snow & Ice	2011		Sealed Bid	100%	0%	0%
Old Jetter			UT	Equipment			Purple Wave	0%	0%	100%
Old Crack Seal Machine			PW	Equipment			Purple Wave	100%	0%	0%

City of Edgerton
Vehicle & Equipment Replacement Program
Fund Summary

Fund 13 - General Equipment Reserve Fund

	2018	2019	2020	2021	2022	2023	2024
Beginning Balance, Jan 1	\$ 113,895	\$ 385,771	\$ 425,565	\$ 466,109	\$ 591,109	\$ 716,109	\$ 818,560
Transfers in or Other Revenues	403,262	79,250	125,000	125,000	125,000	125,000	125,000
Vehicle/Equipment Purchases	(131,386)	(39,456)	(84,456)	-	-	(22,549)	(65,500)
Ending Balance, 12/31	\$ 385,771	\$ 425,565	\$ 466,109	\$ 591,109	\$ 716,109	\$ 818,560	\$ 878,060

Fund 27 - Water Equipment Reserve Fund

	2018	2019	2020	2021	2022	2023	2024
Beginning Balance, Jan 1	\$ 82,992	\$ 82,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 14,492
Transfers in or Other Revenues	-	-	-	-	-	-	-
Vehicle/Equipment Purchases	-	(30,000)	-	-	-	(38,500)	-
Ending Balance, 12/31	\$ 82,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 14,492	\$ 14,492

Fund 37 - Sewer Equipment Reserve Fund

	2018	2019	2020	2021	2022	2023	2024
Beginning Balance, Jan 1	\$ 32,058	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ (46,167)
Transfers in or Other Revenues	35,275	30,000	-	-	-	-	-
Vehicle/Equipment Purchases	-	(30,000)	-	-	-	(113,500)	-
Ending Balance, 12/31	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ (46,167)	\$ (46,167)

Notes:

City of Edgerton
Vehicle & Equipment Replacement
Fund Summary - Scenario 1:
Includes all Unfunded Recommended Vehicles and Equipment

Fund 13 - General Equipment Reserve Fund

	2018	2019	2020	2021	2022	2023	2024
Beginning Balance, Jan 1	\$ 113,895	\$ 385,771	\$ 366,265	\$ (119,191)	\$ 5,809	\$ 130,809	\$ 233,260
Transfers in or Other Revenues	403,262	79,250	125,000	125,000	125,000	125,000	125,000
Vehicle/Equipment Purchases	(131,386)	(98,756)	(610,456)	-		(22,549)	(65,500)
Ending Balance, 12/31	\$ 385,771	\$ 366,265	\$ (119,191)	\$ 5,809	\$ 130,809	\$ 233,260	\$ 292,760

Fund 27 - Water Equipment Reserve Fund

	2018	2019	2020	2021	2022	2023	2024
Beginning Balance, Jan 1	\$ 82,992	\$ 82,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 14,492
Transfers in or Other Revenues	-	-	-	-	-	-	-
Vehicle/Equipment Purchases	-	(30,000)	-	-	-	(38,500)	-
Ending Balance, 12/31	\$ 82,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 14,492	\$ 14,492

Fund 37 - Sewer Equipment Reserve Fund

	2018	2019	2020	2021	2022	2023	2024
Beginning Balance, Jan 1	\$ 32,058	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ (46,167)
Transfers in or Other Revenues	35,275	30,000	-	-	-	-	-
Vehicle/Equipment Purchases	-	(30,000)	-	-	-	(113,500)	-
Ending Balance, 12/31	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ (46,167)	\$ (46,167)

Notes:

City of Edgerton
Vehicle & Equipment Replacement
Fund Summary - Scenario 2:
Includes all Unfunded Recommended Vehicles and Equipment (over \$200k lease)

Fund 13 - General Equipment Reserve Fund

	2018	2019	2020	2021	2022	2023	2024
Beginning Balance, Jan 1	\$ 113,895	\$ 385,771	\$ 366,265	\$ 240,809	\$ 275,809	\$ 310,809	\$ 323,260
Transfers in or Other Revenues	403,262	79,250	125,000	125,000	125,000	125,000	125,000
Vehicle/Equipment Purchases	(131,386)	(98,756)	(250,456)	(90,000)	(90,000)	(112,549)	(155,500)
Ending Balance, 12/31	\$ 385,771	\$ 366,265	\$ 240,809	\$ 275,809	\$ 310,809	\$ 323,260	\$ 292,760

Fund 27 - Water Equipment Reserve Fund

	2018	2019	2020	2021	2022	2023	2024
Beginning Balance, Jan 1	\$ 82,992	\$ 82,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 14,492
Transfers in or Other Revenues	-	-	-	-	-	-	-
Vehicle/Equipment Purchases	-	(30,000)	-	-	-	(38,500)	-
Ending Balance, 12/31	\$ 82,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 52,992	\$ 14,492	\$ 14,492

Fund 37 - Sewer Equipment Reserve Fund

	2018	2019	2020	2021	2022	2023	2024
Beginning Balance, Jan 1	\$ 32,058	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ (46,167)
Transfers in or Other Revenues	35,275	30,000	-	-	-	-	-
Vehicle/Equipment Purchases	-	(30,000)	-	-	-	(113,500)	-
Ending Balance, 12/31	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ 67,333	\$ (46,167)	\$ (46,167)

Notes:

City of Edgerton
New Vehicle/Equipment Request Form

Equipment Description: Motor Grader Scarifier: This is an attachment for the motor grader that will allow the department to better maintain gravel roads and alleys. This attachment affixes to the front of the motor grader using the weight of the machine to scarify/break up the hard pack to remove potholes, corrugation, and rutting, as well as providing a better overall finished product.

Department:

Estimated Cost:

Outside Funding Available?

Allocation %: \$ General Water Sewer

Notes:

City of Edgerton
New Vehicle/Equipment Request Form

Equipment Description: Boxbroom Sweeper Attachment: This attachment will allow staff to clean up small scale jobsites, provide better preparation for asphalt patching, assist in event cleanup in parks, downtown, and other facilities and their parking lots. This unit would also allow for us to clean up debris collected on the Waverly Rd Trail/Bridge.

Department: Public Works

Estimated Cost: \$ 10,000 **Outside Funding Available?** No

Allocation %: \$ 100 General 0 Water 0 Sewer

Notes: This attachment will work in conjunction with the Kubota SSV75 Skid Loader

City of Edgerton
New Vehicle/Equipment Request Form

Equipment Description: Storm Siren - Within the City of Edgerton there are several gaps in coverage of existing storm sirens. Staff is working with Blue Valley Public Safety to identify and prioritize areas of concern. Additional storm sirens are needed to expand the City of Edgerton's coverage. At the time of purchase staff will coordinate the exact location and provide the appropriate coverage maps.

Department: Public Works

Estimated Cost: \$ 26,000 **Outside Funding Available?** No

Allocation %: \$ 100 General 0 Water 0 Sewer

Notes:

City of Edgerton
New Vehicle/Equipment Request Form

Equipment Description: Portable Radios: Staff has identified the need for additional communication between the City Departments and County Provided Services (Emergency Management). While the primary use is for emergency events as they arise, additional uses include situations where speed and simplicity in communication aid the task. Maintenance operations include usage by traffic control, snow/ice events, water/wastewater operations, and various street maintenance operations. These radios can also be used for events hosted by the City. This will make staff more accessible to County staff and provide additional departmental communication outlets. These radios will be portable and attached to an individual staff member. Additionally the necessity for this system to be in place for emergency operations will help with the communication County-wide.

Department:

Estimated Cost: **Outside Funding Available?**

Allocation %: General Water Sewer

Notes:

City of Edgerton
New Vehicle/Equipment Request Form

Equipment Description: Animal Control Box - Existing box is under sized for the existing truck, as well as not designed for daily use by animal control. Existing condition of the box deteriorates rapidly, often needing repairs. The proposed box is designed for animal control, having ventilation, aluminum safety bars, interior lining, and a stainless steel exterior. This box is safer for the Animal Control staff position and for the animals.

Department: Community Development

Estimated Cost: \$ 4,500

Outside Funding Available? No

Allocation %: \$ 100 General 0 Water 0 Sewer

Notes:

City of Edgerton
New Vehicle/Equipment Request Form

Equipment Description: Storm Siren - Within the City of Edgerton there are several gaps in coverage of existing storm sirens. Staff is working with Blue Valley Public Safety to identify and prioritize areas of concern. Additional storm sirens are needed to expand the City of Edgerton's coverage. At the time of purchase staff will coordinate the exact location and provide the appropriate coverage maps.

Department: Public Works

Estimated Cost: \$ 26,000 **Outside Funding Available?** No

Allocation %: \$ 100 General 0 Water 0 Sewer

Notes:

City of Edgerton
New Vehicle/Equipment Request Form

Equipment Description: Asphalt Crack seal Machine - This unit is a key tool in the maintenance of asphalt roadways. As we refine the Street Maintenance Program the department continues to identified areas of localized asphalt distresses that require crack sealing/joint filling. This process helps to ensure that water infiltration is prevented from entering the asphalt mat and into the subgrade, which helps to minimize base failure and structural integrity

Department: Public Works

Estimated Cost: \$ 60,000

Outside Funding Available? No

Allocation %: \$ 100 General 0 Water 0 Sewer

Notes: This unit is a trialer mounted 125 gallon hot applied crack seal machine with air compressor and hose reel.

City of Edgerton
New Vehicle/Equipment Request Form

Equipment Description: Wheel Loader - With the continued expansion of LPKC to the south and the additional lane miles of roadway to maintain, the need for a Tandem Dump Truck/Plow to keep up with Winter Operations has been defined. Staff request a Wheel Loader to handle the loading of material as well as transitioning this unit to handle the majority of the Winter Operations material handling that includes the ability to properly stock the salt dome with the bulk de-icing material, as well as removal or stockpiling other bulk material for the Public Works Department as needed. The Wheel Loader is specified with the traditional bucket and pallet forks and a grapple bucket.

Department: Public Works

Estimated Cost: \$ 200,000

Outside Funding Available? No

Allocation %: \$ 100 General 0 Water 0 Sewer

Notes: This unit will include a standard 2.5 to 3 yard material bucket, skid/pallet forks and grapple bucket for debris.

City of Edgerton
New Vehicle/Equipment Request Form

Equipment Description: Tandem Dump Truck - With the continued expansion of LPKC to the south and the additional lane miles of roadway to maintain, the need for a Tandem Dump Truck/Plow to keep up with Winter Operations has been defined. The Tandem Axle Dump Truck will handle the bulk of the material hauling, this includes haul off of material generated during street repair and replacement, removal of curb, sidewalk and other concrete repair and replacement activities and additional anti-icing capacity for snow removal. The most significant area of need that the Tandem will address is the ability to increase the departments snow removal capacity. This unit will allow for more efficient clearing of roadway throughout LPKC.

Department:

Estimated Cost: **Outside Funding Available?**

Allocation %: \$ General Water Sewer

Notes: The estimated cost includes the cost for the new plow and Spreader/Brine Application.



Existing Fleet – Trucks

Parks – 1

Public Works – 4

Utilities – 2

Community Development – 2





Existing Fleet – Construction Equipment

Motor Grader

Excavator

Backhoe

Vibratory Roller

Loader – Utilities (Case)

Public Works (Kubota)





Existing Fleet – Parks
Mowers, Tractors, etc.

Tractor
Mowers- 5





Existing Fleet – Various

Dump Truck
Street Sweeper
Utility Vehicle
Trailer – 3
Water Jetter





Existing Fleet – Snow & Ice Attachments

Salt spreader - 2

Plow blades - 6

Tailgate Spreader





Existing Fleet – Attachments

Mill head attachment

Tooth Bucket

Smooth Bucket

Snow Blower

Box Blade

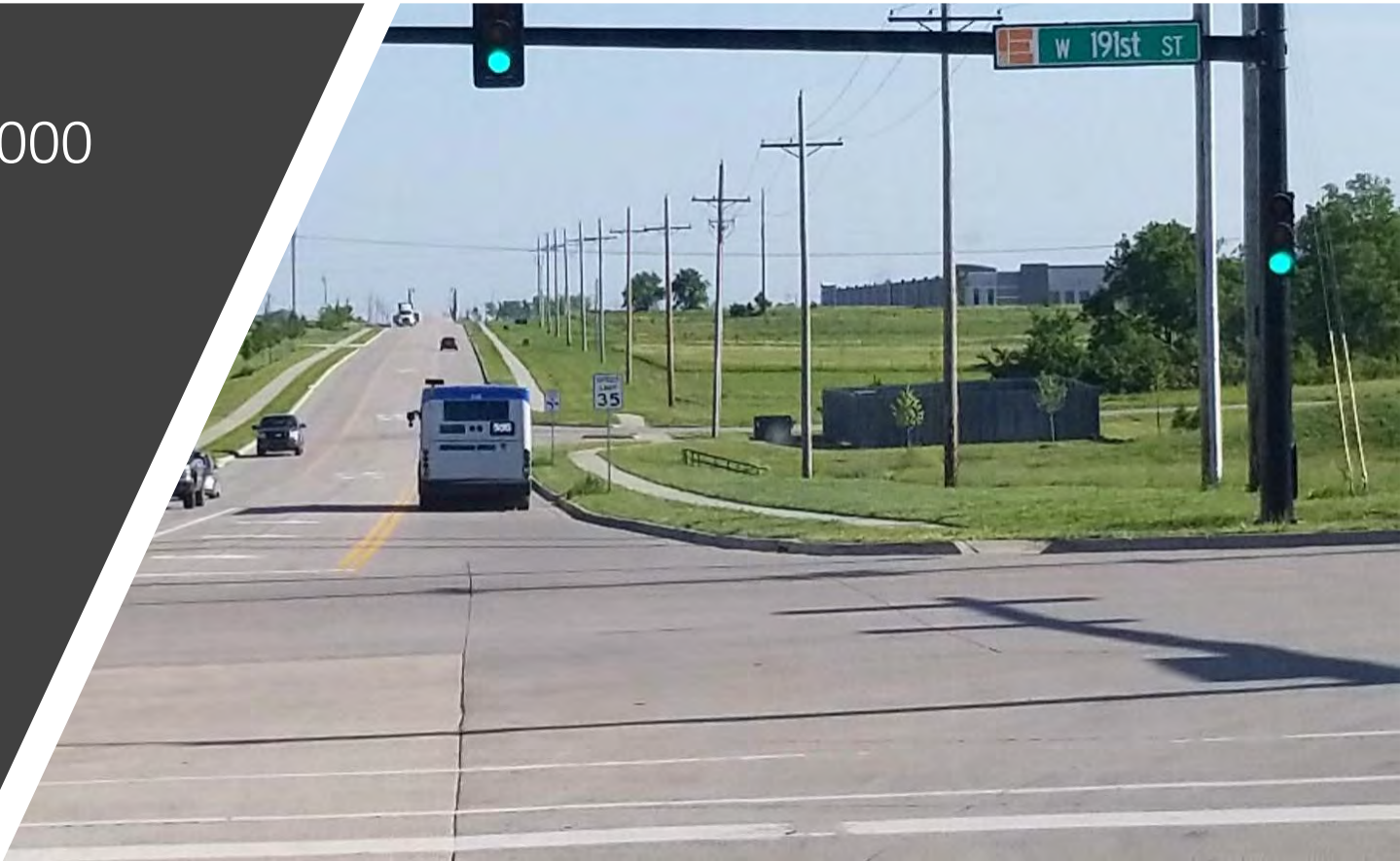
Fork attachment





Existing Equipment – items over \$5,000

Storm Sirens
Traffic Lights
Light Poles
Tool Chest
Sign Plotter – w/ roller
Phone System



Existing Policy –

Financing -

Preferred method: Pay as you go

Other options:

- General Obligations Bond - > \$250k
- Lease and Lease Purchase

Useful Life -

Trucks replaced at 10 years

Mowers replaced at 1500 hours

If leased, useful life and lease term shall match

Appendix A Useful Life of Vehicles and Equipment

Item Type	Useful Life in Years	Mileage/Number of Hours
Non-Truck Vehicle	10	100,000 miles
Pickup Trucks (1 ton or less)	10	100,000 miles
Heavy Trucks (greater than 1 ton)	10	100,000 miles
Mowers	n/a	1,500 hours
Dump Trucks	10	70,000 miles
Back Hoe	13	5,000 – 8,000 hours
Uni-Loader	13	4,000 – 5,000 hours
Bucket Truck	10	
Sewer Jetter	15	4,000 hours
Street Sweeper	10	5,000 – 8,000 hours
Snow Blade	10	
Utility Trailer	10	
Salt Spreader	10	
Road Grader	13	
Roller	13	
Crack Seal Machine	13	
Storm Siren	10	
Radio	10	
Water Meter	10	

Existing Fleet Replacement (2020)-

- Truck 104 – 2000 Ford F-250
 - Transport staff
 - Small external fuel tank
 - Tool Box
 - Safety lights
 - Depending on dealership, F350 is between \$1300 and \$2400 of an increase
 - F350 gets an estimated 1-2 mpg worse than F250
 - F250 is ¾ ton while F350 is 1 ton
 - F350 has greater payload
 - F350 is consistent with the current fleet.
 - To include a snow plow (drive train updates may occur)



Unfunded New Equipment Requests – Recommended

- Motor Grader Scarifier
 - Maintain gravel roads and alleys
 - Breaks up the hard pack to remove potholes, corrugation, and rutting
- Boxbroom Sweeper
 - Attachment to Skid Loader to clean up small scale jobsites
 - Provides better preparation for asphalt patching
 - Assist in event cleanup in parks, downtown, and other facilities and their parking lots
- Portable Radios (4)
 - Provides additional communication between the City Departments and County Provided Services (Emergency Management)
 - Primary use is for emergency events
 - Additional where simple communication needed (i.e. traffic control, snow/ice events, water/wastewater operations, and various street maintenance operations)
 - Can also be used for events hosted by the City

Unfunded New Equipment Requests – Recommended

- Animal Truck Box
 - Adequate sizing to match existing truck.
 - Existing box not designed for the duties, proposed box is built for animal control
- Storm Siren
 - Gaps in coverage as City grows
 - Location TBD based on surrounding coverage
- Asphalt Crack Seal Machine
 - Application of asphalt crack seal
 - Industry standard as first line of defense in pavement preservation.
 - Currently we rent this equipment for two weeks, twice a year, with several years having limited access to rentals due to high demand. Rental costs are 1800 each week



Unfunded New Equipment Requests – Recommended

- Wheel Loader
 - Loading salt during snow operations at a greater capacity.
 - Proper stacking of salt for storage
 - Increase safety during snow operations
 - Debris management
- Tandem Dump Truck
 - Replaces tandem dump trucks lost in the flood of 2017
 - Increases dump capacity
 - Allows for simultaneous crew hauling operations
 - Increased snow plow presence in LPKC
 - Increased salt application

