



# 2020 Capital Improvement Plan

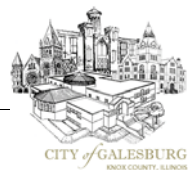
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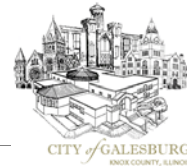
AUGUST 26, 2019

## Budget Schedule

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- August – Capital Improvement Program
- September – Draft Budget Presentation
- October – Budget Discussion (including rates and fees)
- November – Finalize Budget & CIP
- December – Adoption

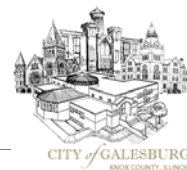




## CIP Purpose

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- Guide for provision of public facilities
- Tool for implementation of goals and plans
- Forecast future needs – reserve funds
- Anticipate funding needs (bonding, external funding)
- Balance need for future development with existing needs
- Economic Development
- Balance need for improvements with financial capacity

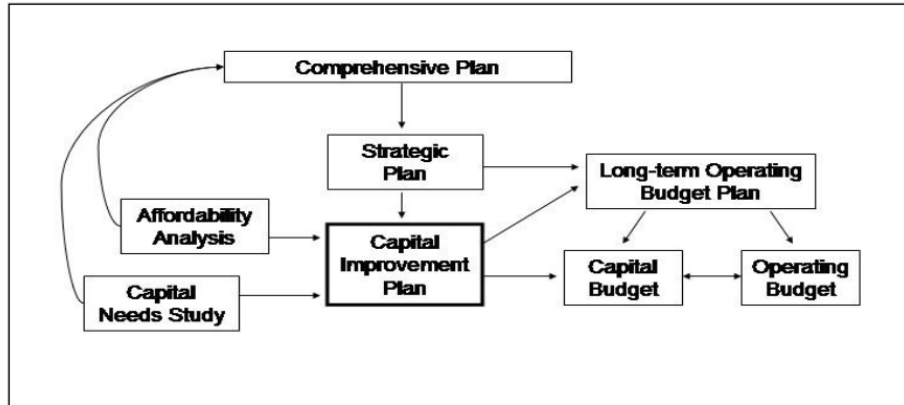
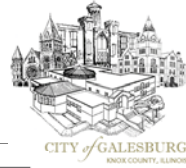


## Capital Projects

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- Capital Improvement Plan
  - 5-year planning document
  - Planning tool not budget
  - Out years = 5 for 10 year planning horizon
- Capital Budget
  - 1<sup>st</sup> year of CIP serves as basis
  - Incorporated into budget
  - Funding approved for FY
- Serves as a guide for provision of public facilities
- Tool for implementation of other plans & goal
- Financial planning

## CIP Planning



## Criteria for Capital Budget



- Continuation of on-going projects
- Provide Matching Funds
- Urgent Needs
- Maintenance Funds
- Implement plans & goals
- Funding availability

## Costs and Timing

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- Project costs are planning estimates
- Costs adjusted on annual basis
- Not fully funded
- Projects can occur over multiple years
- Timing
  - Priority
  - Financial capacity and funding source
  - Administrative Capacity
  - Coordination of projects

## Organization

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- Capital Budget
- Project Summary by Type
- Funding Summary
- Project Detail
  - Airport
  - Building and Grounds
  - Economic Development
  - Information Technology
  - Parks & Recreation
  - Storm Water
  - Transportation
  - Vehicles & Equipment
  - Water Supply

# Project Sheets



**Project Title:** Academy St Recon - Ferris to North  
**Project Type:** Transportation

**DESCRIPTION:**  
 Reconstruct Academy Street from Ferris Pl. to Water Street in concrete, and from Water Street to North Street as brick. It is also necessary to reconstruct the water main on this roadway at the same time.



**FUNDING:**

**PROJECTED EXPENDITURE SCHEDULE (000)**

Element	Prior	2019	2020	2021	2022	2023	Out Years	Total
Admin/Inspection	0	0	0	0	0	0	0	0
Construction	0	645	0	0	0	0	0	645
Design	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0
Other	0	170	0	0	0	0	0	170
<b>Total</b>	0	815	0	0	0	0	0	815

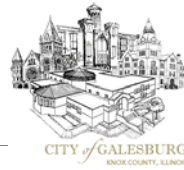
**PROJECTED FUNDING SCHEDULE (000)**

Element	Prior	2019	2020	2021	2022	2023	Out Years	Total
Water Fund	0	170	0	0	0	0	0	170
City Gas Tax Fund	0	645	0	0	0	0	0	645
<b>Total</b>	0	815	0	0	0	0	0	815

# Preliminary CIP Summary



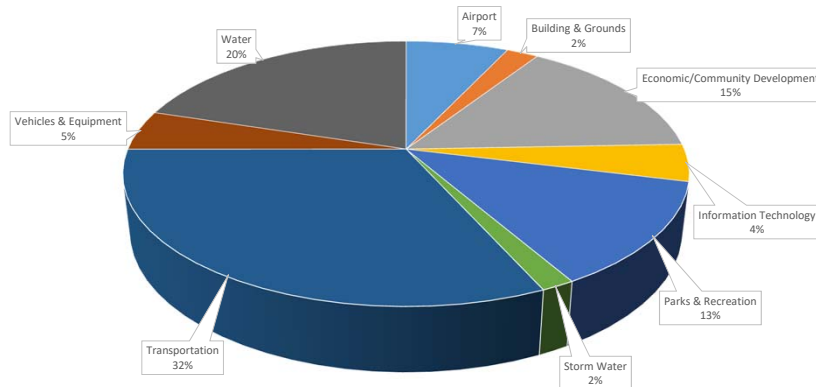
Airport	6	\$1,996,000
Buildings & Grounds	7	\$26,808,000
Economic & Community	7	\$8,259,000
Information Technology	10	\$7,288,000
Parks & Recreation	26	\$13,638,000
Storm Water	1	\$1,300,000
Transportation	16	\$21,065,000
Vehicles & Equipment	3	\$8,187,000
Water	24	\$20,580,000
<b>Total</b>	<b>100</b>	<b>\$109,120,000</b>



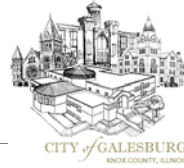
# Funding Type

Type	Prior	2020	2021	2022	2023	2024	Out	Total
Airport	-	1,296	700	-	-	-	-	1,996
Building & Grounds	1,436	402	22,250	611	114	121	1,874	26,808
Economic/Community Development	946	2,819	1,837	1,837	643	178	-	8,260
Information Technology	784	836	1,531	665	206	620	2,646	7,288
Parks & Recreation	345	2,363	1,870	1,755	1,740	1,365	4,200	13,638
Storm Water	-	300	200	300	200	300	-	1,300
Transportation	-	5,870	2,350	1,825	4,835	6,185	-	21,065
Vehicles & Equipment	1,374	903	523	217	691	1,149	3,329	8,186
Water	-	3,730	4,020	4,460	3,460	1,710	3,200	20,580
	<b>4,885</b>	<b>18,519</b>	<b>35,281</b>	<b>11,670</b>	<b>11,889</b>	<b>11,628</b>	<b>15,249</b>	<b>109,121</b>

# Funding Type – FY 2020

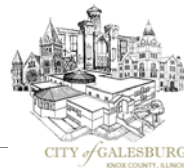


## Funding by Source



Fund	Prior	2020	2021	2022	2023	2024	Out	Total
Building Repair	1,436	390	328	456	114	121	1,574	4,419
Capital Utility	330	1,473	200	200	200	1,000	-	3,403
City Gas Tax	-	1,278	1,325	100	100	100	-	2,903
Computer Replacement	784	726	429	665	206	620	2,646	6,076
Economic Development	-	50	-	-	-	-	-	50
Federal	616	6,673	3,065	3,065	-	-	-	13,419
General	200	240	157	100	100	-	-	797
Motor Fuel	-	1,225	1,025	825	835	835	-	4,745
Park	-	-	30	-	-	-	-	30
Property Redevelopment	-	265	140	140	140	140	-	825
State	-	1,633	255	505	125	-	-	2,518
Storm Water	-	300	200	300	200	300	-	1,300
TIF 4	-	125	125	125	125	38	-	538
UDAG	130	693	153	153	153	-	-	1,282
Vehicle Replacement	1,374	874	523	217	691	1,149	3,454	8,282
Water	-	2,575	2,020	2,210	3,460	1,710	3,200	15,175
	<b>4,870</b>	<b>18,520</b>	<b>9,975</b>	<b>9,061</b>	<b>6,449</b>	<b>6,013</b>	<b>10,874</b>	<b>65,762</b>

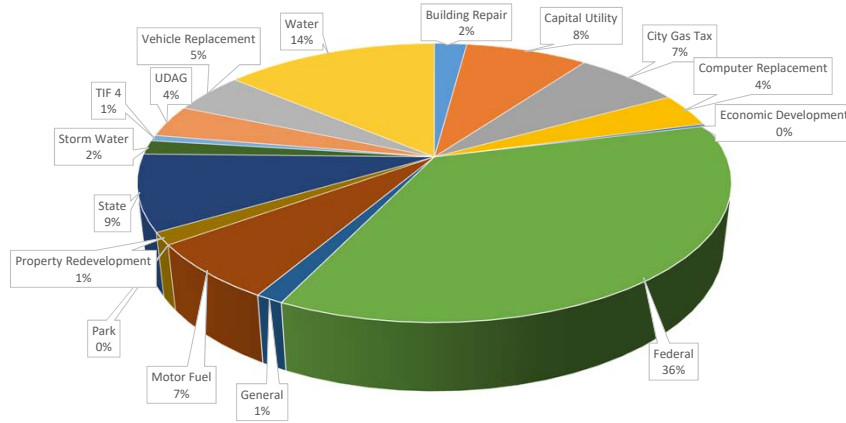
## Capital Budget



- 43 Projects
- Cost - \$18,521,000



## Funding by Source – FY 2020



# PARKS & RECREATION

## 2020 CAPITAL PROJECTS



## LAKESIDE SPLASHZONE WATER PLAY FEATURE



- This project started in 2018. The design of the play feature has been complete. The project is waiting on the approval of the Illinois Department of Public Health. Once IDPH approves the project, staff will be able to put the construction/installation out to bid. Staff hopes the bid will go out in 2019 with the construction to occur in the spring of 2020.
- The total project was budgeted at \$370,000. There is \$76,000 remaining from the initial Board approval from Utility Tax for the installation.

## AIRPORT LAYOUT PLAN



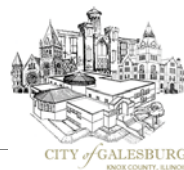
- The current plan is over 25 years old and has been “redlined” as much as possible. IDOT will not allow the City to do any new construction or alterations at the airport until a new ALP is completed.
- The estimated cost for this project is \$400,000. The federal government will cover 90% of that cost while the State and the City will each pay 5%. The amount the City will spend on this project will be approximately \$20,000 out of Utility Tax.

## AIRPORT MAINTENANCE BUILDING



- The building is small and not designed will to store the current airport equipment. A new airport maintenance building will allow the City to move its large equipment indoors and protect it from the elements which will extend the life of the equipment. Also, increasing the size of the airport maintenance building will allow the City to move its equipment out of one of the hangars which will then be rented out.
- The estimated cost on this project is \$83,000. The funds will come from the Building Repair Fund.

## REMOVAL OF OLD AIRPORT TOWER



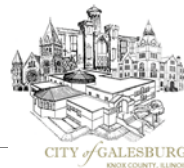
- The old airport tower has not been used in decades. That this time, the building attracts wild game such as deer, cayote and fox which is undesirable at an airport along with rodents and bats. Additionally, because of the height of the structure, it must have safety lights which require the staff to change periodically. Having to change these lights is an unnecessary risk to staff for a building that is in disrepair and not needed.
- The estimated cost for this project is \$30,000. The funds would come from Utility Tax.

## TAXIWAY “B” OVERLAY



- This project was originally scheduled for 2018 but the state did not have the money to fund the project. This project will be bid out in late fall 2019 with the work occurring in 2020. The federal government will pay 90% and the State and City will each pay 5%.
- The estimated cost of this project is \$783,000 with the Fed paying \$704,700, the State paying \$39,150 and the City paying \$39,150 out of Utility Tax.

## LAKE STOREY FEASIBILITY STUDY



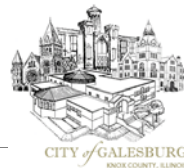
- An idea to expand Lake Storey has been suggested by some Aldermen. The lake expansion would allow motorized vehicles on the lake as well as create possible lakefront property that the City could sell or lease. A feasibility study is needed to estimate both the cost to expand the lake and potential revenue.
- Staff is currently budgeting \$50,000 for this study with the cost being paid out of the Economic Development Fund.

## SOUTH LAKE STOREY ROAD BIKE PATH



- There is a need for a more pedestrian safe roadway. Adding this section of trail/bike path would complete the trail/bike path around the entire lake. The new path would connect at West Lake Storey Road and run all the way to Route 150.
- The estimated cost of this project is \$2,000,000. Staff will submit an ITEP grant application in 2019. If selected, the City's portion of this project is estimated at \$580,000. Funds have been set aside out of Utility Tax if the City is award the grant.

## POSSIBLE CAPITAL PROJECTS



- **PARKS MAINTENANCE BUILDING** – The existing five-stall garage is in poor condition and removing it will enhance and improve the look of Lincoln Park, as well as the neighborhood. Replacing the garage with the addition to the park maintenance building will also avoid costly repairs and maintenance of the deteriorating five-stall garage. The more efficient configuration of the new addition will allow staff to leave their equipment on the trailers inside the building as the new building will have two doors on the north and south rather than five doors on the side, like the current garage. Mowing crews currently spend at least one-half hour each day loading and unloading mowers off trailers. The estimated cost of this addition is \$125,000.
- **JASON WESSELS PARK PARKING LOT**– Large groups, such as youth football and youth baseball, often utilize Jason Wessels Park. Since there is NO parking lot, many cars park on the street, which causes a potentially dangerous situation with people walking between parked cars not being clearly visible to motorists. In addition, many cars park in the grass, which is also not an ideal situation, as it damages the turf. The estimated cost of adding a parking lot is \$50,000.

## POSSIBLE CAPITAL PROJECTS



- LAKE STOREY WALK/BIKE TRAIL WIDENING AND RESURFACING – The ultimate goal is to have a 10' wide walk/bike path around the entire lake usable to multiple people going in both directions. This path/bike trail is already used quite a bit but would see increased usage if the path was wide enough the entire way around that people could pass slower users. This has been an ongoing project over several years. There is no estimated cost for this project, but any amount of funds would help toward finishing this project.
- REPLACING/BUILDING PARK BATHROOMS – Many of the bathrooms in the various parks are in need of replacement. The buildings are old and are falling apart or need to be added in some parks. This is in line with the Park and Recreation Master Plan as residents want well maintained and functioning bathrooms in the parks. The cost for a prefabricated bathroom facility with a 20-year warranty is approximately \$110,000 each. There are currently 6 bathrooms that need to be replaced (HT Custer Park (2), ON Custer Park, Kiwanis Park, Lake Storey and Lincoln Park).

## POSSIBLE CAPITAL PROJECTS



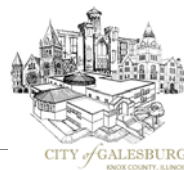
- PEDESTRAIN LIGHTING IN STANDISH PARK - Improve lighting for safety and park appearance. By adding lights, there would be more use of the park later in the evening, as well as make the park more useable for a wider variety of events. The estimated cost of this project is \$150,000.
- PLAYGROUND REPLACEMENT – The City has 18 (including Lombard) playgrounds at various parks throughout the City. Seven playgrounds (including Lombard) have been replaced/renovated. There are still Seven playgrounds that need to be replaced as all but the newest playgrounds are more than 25 years old with most being closer to 50 years old. The cost of a playground with pour in play surfacing is estimated at \$150,000 each.

## POSSIBLE CAPITAL PROJECTS



- **RETRACTABLE POOL ENCLOSURE FOR LAKESIDE SPLASHZONE** – At some point in the future, Hawthorne Pool will need \$2,000,000 worth of renovations to remain open. A less expensive option to this renovation is to build a retractable pool enclosure over Lakeside Splashzone. This enclosure would allow the pool to remain open year around. The enclosure can be closed on rainy days in the summer as well and all winter long to keep the pool open for use. There would need to be some renovation to the bath house in order to have a functional locker room and bathroom year around. The estimated cost of this project is \$450,000.
- **DECK RENOVATION AT BUNKER LINKS** – The concrete deck at Bunker Links has cracks and is uneven. Renovating the deck would increase the seating space both for leisurely viewing and for golf outings. Renovating the deck would add approximately 50 more seats. A shade structure would be added to cover the deck. The renovation would include replacing the door and window leading out to the deck so on nice days the window/door could be slid open. The estimated cost of this renovation is \$80,000.

## POSSIBLE CAPITAL PROJECTS



- **IMPROVE DRAINAGE AT BUNKER LINKS** – There are several holes at Bunker Links that do not drain well. When we have rain, water pools in a few areas which requires staff to not let golf carts out on the course. There are very few golfers that play at Bunker Links that walk so without carts, basically, no one plays. By improving the drainage on these holes, more revenue can be collected as not allowing carts would happen less frequently. The cost of this project is unknown at this time.



# Planning & Public Works

CAPITAL PROJECTS 2019-2020

## 2019 PROJECTS PLANNING



### HOUSING PROJECTS

- IHDA ABANDONED PROPERTIES GRANT - \$37,000 – REIMBURSEMENT FOR DEMOLITIONS IN 2019
- DCEO HOUSING REHABILITATION GRANT – COMPLETE IN 2019 – 7 TO 8 HOMES
- H.E.L.P GRANT – LEAD PAINT REDUCTION PROGRAM – COMPLETE IN 2020 – 15 HOMES, \$500,000
- H.U.D. GRANT – LEAD PAINT REDUCTION PROGRAM – START 2019, END 2022 – 200 HOMES, \$4.0 MILLION
- DEMOLITIONS – 8 ANTICIPATED TO BE REMOVED IN 2019 BY CITY, 12 REPAIR/REMOVE BY OWNERS

## 2019 PROJECTS

### ENGINEERING & STREET DIVISION

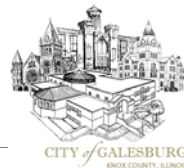


- QUIET ZONE OTTUMWA SUBDIVISION – COMPLETE JUNE 2019
- PARK PLAZA & PARKING LOT E – MARCH 2019 START/SEPT 2019 COMPL
- ACADEMY STREET RECONSTRUCTION (FERRIS PL TO NORTH ST )
- INTERMITTENT RESURFACING PROJECT (W. LOSEY, E. LOSEY, MONMOUTH BLVD, LINCOLN ST)
- MONROE STREET RECONSTRUCTION (NORTH TO LOSEY)
- PARKING LOT RESURACING PROJECT (PARKING LOT M) – SIMMONS STREET
- SIDEWALK RECONSTRUCTION PROJECT (CHERRY ST – MAIN TO SIMMONS – EAST SIDE – FALL 2019)
- SIDEWALK RECONSTRUCTION PROJECT (PRAIRIE ST – MAIN TO FERRIS – EAST SIDE)



## 2019 PROJECTS

### ENGINEERING & STREET DIVISION (CONTINUED)



- EXPAND STREET PARKING AND REPAIR SIDEWALK & CURB ON S. CHAMBERS - FALL 2019
- COMPLETED FARNHAM ST OVERPASS AND FLASHING YELLOW ARROW PROJECTS
- CONSTRUCT NEW STREET DIVISION COMPLEX - \$1.7 MILLION ESTIMATED COST





## 2019 PROJECTS

### WATER PROJECTS



- CONSTRUCT GRAVEL PACK #5 – EST. COMPL. 12/2019
- REHABILITATE RANNEY COLLECTOR WELL – EST. COMPL. 10/2019
- REHABILITATE GRAVEL PACK WELLS #1 AND #2
- REHABILITATE HVAC IN FILTER ROOM AT OQUAWKA FILTER – 12/2019
- LEAD SERVICE LINE REPLACEMENT PROJECT – PHASE 3 (500 LINES)
- MONROE STREET WATER MAIN REPLACEMENT (NORTH TO LOSEY)
- ACADEMY STREET WATER MAIN REPLACEMENT (NORTH TO FERRIS )
- WATER RATE STUDY



GRAVEL PACK #4 - 2016

## 2020 PROJECTS

### PLANNING



#### HOUSING

- H.E.L.P GRANT – LEAD PAINT REDUCTION PROGRAM – COMPLETE IN 2020 – 15 HOMES, \$500,000
- H.U.D. GRANT – LEAD PAINT REDUCTION PROGRAM –START 2019, END 2022 – 200 HOMES, \$4.0 MILLION
- START HOUSING REPAIR PROGRAM – UP TO \$4,500 PER HOME – LOW TO MODERATE INCOME QUALIFY
- CONTINUE ON INCREASED NUMBER OF DEMOLITIONS -GOAL IS AVG OF 26 PER YEAR FOR 5 YEARS

## 2020 PROJECTS

### ENGINEERING & STREET DIVISION



- PHILLIPS STREET (MAIN TO NORTH) - RECONSTRUCT
- S. SEMINARY STREET RECONSTRUCTION (BERRIEN TO 5<sup>TH</sup> STREET)
- PRAIRIE STREET SIDEWALK (MAIN TO FERRIS) – WEST SIDE
- PRAIRIE STREET RESURFACING (MAIN TO FERRIS)
- CHERRY STREET SIDEWALK (MAIN TO SIMMONS) – WEST SIDE
- MISC. CURB AND GUTTER AND SW REPLACEMENT PROJECT-\$100K
- HOT MIX ASPHALT RESURFACING PROJECTS (VARIOUS LOCATIONS)- \$600K
- ANNUAL SEAL COATING PROJECT
- STORM SEWER PROJECT (LOCATION TBD)



## 2020 PROJECTS

### WATER PROJECTS



- CONSTRUCT GRAVEL PACK #6
- FRANK STREET WATER MAIN REPL (HENDERSON TO HAWKINSON)
- ROADWAY RECONSTRUCTION IN OQUAWKA AT WELL FIELD
- HISTORIAN W/SOFTWARE UPGRADE FOR PERMANENT RECORDS
- LEAD SERVICE LINE REPLACEMENT PROJECT – PHASE 4 (500 LINES)
- PHILLIPS STREET WATER MAIN REPLACEMENT (MAIN TO NORTH)
- S. SEMINARY STREET WATER MAIN REPLACEMENT (BERRIEN TO FIFTH )
- REPLACE BOAT AND MOTOR FOR OQUAWKA OPERATIONS
- REHABILITATE GENERATOR IN OQUAWKA



## FUTURE PROJECTS (2021)



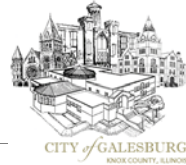
- KELLOGG STREET RECONSTRUCTION PROJECT (SANBORN TO PARK LANE)
- CONTINUE RESURFACING ASPHALT STREETS – VARIOUS LOCATIONS
- CONTINUE REPLACING LEAD SERVICE LINES – PHASE 5
- STORM SEWER CAPITAL PROJECT (FLOOD MITIGATION PROJECT – LOCATION TBD)
- AERATION/MIXING PROJECT – WATER DIVISION
- BEGIN REPLACEMENT OF RESIDENTIAL WATER METERS – 1<sup>ST</sup> OF 3 YEARS
- APPLY FOR ADDITIONAL HOUSING REHAB PROJECTS WITH IHDA AND DCEO



## Refuse



## Highlights



- WILL HAVE HELD TWO CITY WIDE CLEAN UP DAYS BY THE END OF THE YEAR. APRIL 2019 CLEAN UP WEEK, OVER 683 TONS OF REFUSE WAS PICKED UP
- CURBSIDE RECYCLING PARTICIPATION IN 2018 WAS OVER 76% OF THE RESIDENTS
- THE ELECTRONICS DROP OFF HAD 2,453 PARTICIPANTS DROPPING OFF 8,818 ELECTRONIC ITEMS DURING 2018
- THE PAINT RECYCLING PROGRAM HAD OVER 567 PARTICIPANTS FROM MAY THROUGH SEPTEMBER OF 2018, 42,855 POUNDS OF MATERIALS WERE COLLECTED
- THE HYPODERMIC NEEDLE COLLECTION PROGRAM AND THE IEPA USED/EXPIRED MEDICINE COLLECTION PROGRAM CONTINUE TO BE POPULAR PROGRAMS
- WILL PROVIDE CHRISTMAS TREE DISPOSAL SERVICES. LAST YEAR THERE WAS 4,500 POUNDS OF TREES DROPPED OFF AT LOWE'S.

## Solid Waste Statistics



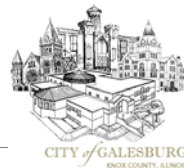
Year	Refuse Tons	Recycling Tons	Yard Waste Tons	Electronics Customers
2019 (6 months)	5,107.01	633.48	900.98	1,312
2018	9,081.22	1,475.16	2,076.4	2,453
2017	9,004.22	1,430.69	2,034.2	2,358
2016	9,352.17	1,537.24	2,735.3	2,622
2015	9,143.57	1,700.7	3,040.0	2,211

## FY 20 Refuse Fund Expenses



Description	FY20 Estimate	FY19 Adopted	\$ Change	% Change
Personnel	\$34,850	\$34,085	\$765	2.2%
Contractual	\$2,645,280	\$2,580,775	\$64,505	2.44%
Commodities	\$1,050	\$1,850	\$(800)	-76.19%
Other charges	\$21,115	\$24,050	\$(2,935)	-13.9%
Total Expenses	\$2,702,295	\$2,640,760	\$61,535	2.28%

## 2020 Proposed Rate



- PROPOSED MONTHLY REFUSE FEES ADJUSTED FROM \$20.20 PER MONTH TO \$21.00 PER MONTH OR \$.80 PER MONTH - 4.0% INCREASE
- REFUSE COLLECTION CONTRACT INCREASE FROM \$1,940,180 TO \$1,993,530 (\$53,350 OR 2.75%) – 3<sup>RD</sup> YEAR OF 5 YEAR CONTRACT
- KNOX COUNTY LANDFILL FEES INCREASE \$1 PER TON (ESTIMATED \$10,000 INCREASE) – 3<sup>RD</sup> YEAR OF 5 YEAR CONTRACT



## Refuse Monthly Fee History

- Rate for Fiscal Year 2019 \$20.20 (3.8% increase)
- Rate for Fiscal Year 2018 \$19.47 (3.0% increase)
- Rate for Fiscal Year 2017 \$18.90 (5.0% increase)
- Rate for Fiscal Year 2016 \$18.00 (2.0% increase)
- Rate for Fiscal Year 2015 \$17.65 (2.7% increase)
- Over past 5 years Refuse Fund fee increased an average 3.30% per year
- *City policy has been to increase Refuse Fund fee in increments each fiscal year to cover Refuse Fund expenditures*

## FY 20 Refuse Fund Revenues



Description	FY20 Estimate	FY19 Adopted	\$ Change	% Change
Refuse fees	\$2,667,672	\$2,584,475	\$83,197	3.22%
Refuse penalties	\$40,000	\$45,000	\$(5,000)	-11.11%
Interest income	\$9,000	\$5,000	\$4,000	80.00%
Other revenue	0	0	0	0%
<b>Total Revenues</b>	<b>\$2,716,672</b>	<b>\$2,634,475</b>	<b>\$82,197</b>	<b>3.12%</b>

## Water Fund

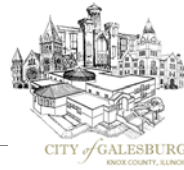


## 2019 Water Rates Policy Direction and History



- Water Rate Study will be completed in 2019 to assist in decision making for setting water rates
- Free leaking lead water service line repair services to customers is being continued
- Providing funding for capital projects continues
- Continued replacement of lead service lines with water main construction projects and through IEPA forgivable loan. After 2019, approximately 1,500 active lead water service lines remain.
- Proposed rate increase of 4.0% for inside customers is recommended in order to keep on track with paying off debt and funding needed for infrastructure repairs.

## 2020 Debt Service



Instrument	Original Issue	Final Payment Year	Term	Debt Service
2015 Ref. GO	\$8.29M	2032	18 Years	\$ 622,013
2017 Ref. GO	\$8.32M	2033	17 Years	\$ 717,330
2009 IEPA	\$1.2M	2031	20 Years	\$ 41,406
<b>TOTAL</b>				<b>\$1,380,749</b>

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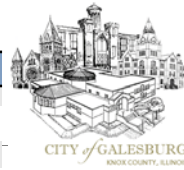
## 2017-2023 Cash Flow



Description	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Operating revenue	\$6,291,841	\$6,684,068	\$6,783,111	\$6,630,750	\$6,883,793	\$7,146,762	\$7,420,053
Investment income	94,896	180,369	200,000	150,000	85,271	77,239	44,481
<b>Total Cash Inflows</b>	<b>6,386,737</b>	<b>6,864,437</b>	<b>6,983,111</b>	<b>6,780,750</b>	<b>6,969,064</b>	<b>7,224,001</b>	<b>7,464,534</b>
Operating expenses	(4,633,988)	(4,586,601)	(4,619,105)	(4,630,960)	(4,825,460)	(5,028,130)	(5,187,211)
Capital investments/other	(1,179,766)	(1,677,552)	(2,697,728)	(2,643,000)	(2,544,000)	(2,320,000)	(3,755,000)
Long-term debt	(845,618)	(1,375,199)	(1,380,349)	(1,380,749)	(1,371,149)	(1,380,199)	(1,378,699)
<b>Total Cash Outflows</b>	<b>(6,408,361)</b>	<b>(7,639,352)</b>	<b>(8,697,182)</b>	<b>(8,654,709)</b>	<b>(8,740,609)</b>	<b>(8,728,329)</b>	<b>(10,320,910)</b>
Increase/(Decrease) in cash	(272,635)	(774,915)	(1,714,071)	(1,873,959)	(1,771,545)	(1,504,328)	(2,856,376)
Beginning Cash Balance	9,383,329	9,110,694	8,335,779	6,621,708	4,747,749	2,976,204	1,471,876
<b>Ending Cash Balance</b>	<b>\$9,110,694</b>	<b>\$8,335,779</b>	<b>\$6,621,708</b>	<b>\$4,747,749</b>	<b>\$2,976,204</b>	<b>\$1,471,876</b>	<b>\$-1,384,500</b>
Required to maintain 30% Operating Expenses for Fund Balance	\$1,390,196	\$1,375,980	\$1,385,732	\$1,389,288	\$1,447,638	\$1,508,439	\$1,556,163



## Recommended Rates



	Past	Existing	Proposed
	2018	2019	2020
<b>Monthly Facility Charge</b>			
Meter size:			
Less than 1 "	\$15.30	\$15.30	\$15.91
1" to less than 2"	\$30.60	\$31.80	\$33.05
2" to less than 4"	\$61.20	\$63.60	\$66.10
4" to less than 6"	\$153.00	\$159.00	\$165.35
6" and Greater	\$382.50	\$397.50	\$413.40
<b>Consumption Charge per CCF</b>	\$2.31	\$2.40	\$2.50
<b>Facility Charge=</b>	100% of inside	100% of inside	100% of inside
<b>PIPELINE WATER RATES =</b>	110% of inside	110% of inside	110% of inside
<b>Facility Charge=</b>	200% of inside	200% of inside	200% of inside
<b>OUTSIDE WATER RATES =</b>	200% of inside	200% of inside	200% of inside
<b>Facility Charge=</b>	200% of inside	200% of inside	200% of inside
<b>NON-PROFIT OUTSIDE RATES =</b>	68.1% of inside	68.1% of inside	68.1% of inside

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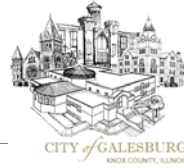
## Impact on User



Household size	Average Qrtly Consumption (CCF & Gallons)	Monthly Charge (2019 Rates)	Monthly Charge (2020 Rates)	Monthly Increase
Single	1.7 ccf or 1,272 gallons	\$19.38	\$20.16	\$0.78
Family of 4	8 ccf or 5,984 gallons	\$34.50	\$35.91	\$1.41
Family of 6	17 ccf or 12,716 gallons	\$56.10	\$58.41	\$2.31
Henry Hill Facility	16,000 ccf or 11.97 million gallons	\$39,592.50	\$41,240.20	\$1,647.70
St. Mary's Hospital	1,438 ccf or 1.07 million gallons	\$3,848.70	\$4,008.40	\$159.70

1 ccf = 748 gallons

## Water Costs at Past, Current and Proposed Rates



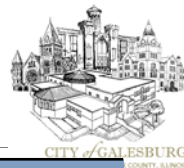
- Monthly water bill for a typical household with consumption of 4,000 gallons (5.35 Units)

○ Past	2018	= \$27.66
○ Existing	2019	= \$28.14

**Recommended 2020 = \$29.29 (4.0 % increase)**

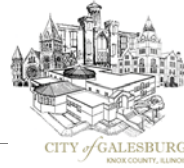
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## FY 20 Budget Water Fund Revenues



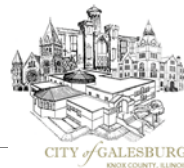
Description	FY 20 Draft	FY19 Budget	\$ Change	% Change
Sale of water/facility fee	\$6,033,000	\$6,113,595	\$(80,595)	-1.32%
Penalties	100,000	118,000	(18,000)	-15.25%
Turn on service	44,000	44,600	(600)	-1.35%
Delinquent	200,000	80,000	120,000	150%
Meter resale/misc.	20,000	15,000	5,000	33.33%
Interest income	150,000	100,000	50,000	50%
Charges for current services	73,750	66,500	7,250	10.9%
Other (Sanitary fees)	102,000	81,500	20,500	25.15%
<b>Total Revenues</b>	<b>\$6,722,750</b>	<b>\$6,619,195</b>	<b>\$103,555</b>	<b>1.56%</b>

## FY 20 Budget Water Fund Expenses



Description	FY 20 Draft	FY19 Adopted	\$ Change	% Change
Personnel	\$2,087,420	\$2,199,960	-\$112,540	-5.12%
Contractual	1,636,845	\$1,616,435	20,410	1.26%
Commodities	915,480	800,025	115,455	14.43%
Other Charges	1,996,980	1,647,395	349,585	21.22%
<b>Total Expenses</b>	<b>\$6,328,945</b>	<b>\$6,263,815</b>	<b>\$65,130</b>	<b>1.04%</b>

## Current 2019 Water Rates (All Rates Based on Meter Less than 1")



Current 2019 Water Rates  
ALL RATES BASED ON METER LESS THAN 1"

Water Supply	Rate per 1,496/gal consumed/month (2 units)	Rate per 3,740/gal consumed /month (5 units)	Rate per 24,684/gal consumed /month (33 units)
Aqua - Oak Run	\$35.38	\$52.82	\$190.14
Windwood Water (Westport)	\$24.24	\$43.34	\$252.33
IL Amer-Peoria / Sterling/Alton	\$28.75	\$43.40	\$166.27
Canton	\$20.54	\$39.13	\$194.98
Monmouth	\$19.62	\$39.25	\$226.06
Moline	\$19.17	\$31.78	\$134.47
Kewanee	\$16.56	\$31.92	\$173.92
Normal	\$19.13	\$32.27	\$222.80
IL Amer-Pekin	\$24.08	\$30.92	\$88.25
Macomb	\$129.40	\$26.31	\$138.40
<b>Galesburg</b>	<b>\$20.10</b>	<b>\$27.30</b>	<b>\$94.50</b>
Rock Island	\$26.91	\$37.53	\$136.65
Knoxville	\$16.00	\$24.00	\$108.00
Abingdon	\$19.18	\$35.05	\$140.85

\*\*rates are water only\*\*