

Enterprise Fund - Wastewater

The Enterprise funds are used to account for the acquisition, operation and maintenance of City-owned utilities. Separate accounting and financial reporting of these municipal services allow for accountability of utility rates. The rates and fees charged for the service must be sufficient to provide for all operations and maintenance of the utility. Enterprise accounting allows the City to demonstrate the total cost of providing the service. Unlike, the General Fund, all direct and indirect costs, debt service and capital expenditures required to provide the service are reported within the fund to readily identify the true cost of the service. The existence of an enterprise fund does not create a separate or autonomous entity from the City. Like every other department, the budget is reviewed and analyzed by administration and finance.

The Batavia Wastewater Treatment Facility is a continuous aerobic biological treatment plant. There are 18 lift stations throughout the City that send wastewater back to the treatment plant through approximately 100 miles of sanitary sewer lines. There are approximately 9,100 sewer customers.

Wastewater Treatment and Sanitary Sewer Maintenance

The Wastewater Division has the ultimate responsibility for treating all of the City's sanitary sewerage and combination storm water before returning it to the Fox River. Capital assets of the division include the treatment plant and 18 Lift Stations throughout the City. The treatment plant has many components, which include an excess flow facility, a headworks facility, primary and secondary clarifiers, aeration nitrification basins, ultraviolet disinfection equipment, anaerobic digesters and a sludge handling facility.

Strategic Goals for Environmental Identity

- **Integrate environmental principles into Utility operations**

The City contributes \$6,500 (\$0.25/capita) to the Fox River Study Group (FRSG). The FRSG is a coalition of stakeholders working to assess water quality issues in the Fox River watershed. These issues have a direct impact on the City's NPDES Permit. Funding for the FRSG is provided through various grants, IEPA and community contributions.

Strategic Goals for Financial Sustainability

- **Develop a five-year financial management plan**

A five-year capital improvement plan has been developed for expansion and upgrades.

- **Provide for the adequate maintenance of capital**

Due to the COVID-19 pandemic and uncertainty of finances, many of the items in the 2020 budget were put on hold and have now been carried over to the 2021 budget. This would include the Randall Rd. Lift Station. It has deteriorated to a point that it is now time to update the lift station.

Also, money has been carried over in 2021 for beginning the process of designing Phase II of the Wastewater Treatment plant upgrade.

- **Deliver high quality City services that meet the needs of the community while continually working to control expenditures**
 - Optimize use of technology and foster innovation

There is also carryover of most of the \$75,000 budgeted in 2020 for SCADA system upgrades in 2021. The upgrades will make remote monitoring of our lift stations more robust and reliable. The upgrades will also allow us to have better data in terms of flow for those areas that are tributary to each lift station. This information will be extremely valuable for future flow studies and potential developments.

- **Be proactive on legislative issues with financial implications for the City**

The City has been a member of the Fox River Study Group (FRSG) since its inception in 2001. The FRSG meets monthly with IEPA, NGO's, Stakeholders (other NPDES Permit holders) and involved community members to formulate the most cost-effective and science-based efforts to remove the Fox River from the Illinois Environmental Protection Agency's list of impaired waters (1998 303(d) list).

City of Batavia 2021 Annual Budget

Fund #31 — Wastewater Utility Summary

Description	Actual 2018	Actual 2019	Approved Budget 2020	Estimated 2020	Proposed Budget 2021
Surplus and Reserves	\$5,447,442	\$6,837,561		\$6,023,659	\$5,310,328
01 Utility Operating Revenues	\$5,593,732	\$5,868,190	\$5,900,600	\$5,995,625	\$6,150,000
02 Utility Nonoperating Revenues	\$185,900	\$62,615	\$75,500	\$50,400	\$65,500
06 Other Revenues	\$62,364	\$147,923	\$65,000	\$50,000	\$40,000
08 Bond/Loan Debt Proceeds	\$18,242,202	\$1,156,984	\$437,096	\$350,000	\$0
Total Revenue	\$24,084,198	\$7,235,712	\$6,478,196	\$6,446,025	\$6,255,500
Sewer Capital Improvements	\$18,741,041	\$2,678,250	\$2,617,797	\$1,813,741	\$2,350,540
Waste Water Treatment	\$2,639,174	\$2,763,661	\$2,839,966	\$2,753,526	\$2,927,974
Sanitary Sewer	\$199,726	\$293,431	\$309,715	\$305,975	\$477,718
Revenue Bond Payments	\$1,114,138	\$2,314,272	\$2,262,401	\$2,286,114	\$1,850,427
Total Expense	\$22,694,079	\$8,049,614	\$8,029,879	\$7,159,356	\$7,606,659
Surplus/(Deficit)	\$1,390,119	(\$813,902)	(\$1,551,683)	(\$713,331)	(\$1,351,159)
Surplus and Reserves	\$6,837,561	\$6,023,659		\$5,310,328	\$3,959,169

City of Batavia 2021 Annual Budget

Revenues

Fund #31 — Wastewater Utility

Acct.	Description	Actual 2018	Actual 2019	Approved Budget 2020	Estimated 2020	Proposed Budget 2021
4710	Residential Sewer Charges	\$3,784,467	\$3,874,468	\$3,925,600	\$4,105,000	\$4,200,000
4715	Comm & Indust Sewer Charges	\$1,754,801	\$1,938,105	\$1,925,000	\$1,878,000	\$1,900,000
4721	Sewer Penalties	\$54,464	\$55,617	\$50,000	\$12,625	\$50,000
	01 Utility Operating Revenues	\$5,593,732	\$5,868,190	\$5,900,600	\$5,995,625	\$6,150,000
4725	Sewer Treatment Charges	\$17,550	\$26,325	\$25,000	\$35,000	\$30,000
4735	Sanitary Sewer Inspection	\$350	\$490	\$500	\$400	\$500
4740	Sewer Connections	\$168,000	\$35,800	\$50,000	\$15,000	\$35,000
	02 Utility Nonoperating Revenues	\$185,900	\$62,615	\$75,500	\$50,400	\$65,500
5000	Investment Income	\$62,364	\$147,923	\$65,000	\$50,000	\$40,000
	06 Other Revenues	\$62,364	\$147,923	\$65,000	\$50,000	\$40,000
4750	Bond/Loan Proceeds	\$18,242,202	\$1,156,984	\$437,096	\$350,000	\$0
	08 Bond/Loan Debt Proceeds	\$18,242,202	\$1,156,984	\$437,096	\$350,000	\$0
	Total Revenue	\$24,084,198	\$7,235,712	\$6,478,196	\$6,446,025	\$6,255,500

City of Batavia 2021 Annual Budget

Expenditures

Fund #31 — Wastewater Utility

Department #81 — Sewer Capital Improvements

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2018	2019	Budget	2020	Budget
				2020		2021
6450	Vehicles & Equipment	\$245,550	\$29,130	\$75,000	\$29,130	\$75,000
6473	Sanitary Sewer Capital	\$479,405	\$741,737	\$1,802,797	\$1,754,611	\$1,500,540
6475	Wastewater Treatment Infrastructure	\$18,016,086	\$1,907,383	\$740,000	\$30,000	\$775,000
	Sewer Capital Improvements	\$18,741,041	\$2,678,250	\$2,617,797	\$1,813,741	\$2,350,540

City of Batavia 2021 Annual Budget

Fund # 31 — Wastewater Utility

Department #81 — Sewer Capital Improvements

Detail on Significant Items

Account

6450 Vehicles & Equipment

6" Trailer Mounted Pump (Shared with Sewer and Streets)	\$15,000
Hydro Excavator 50% Water/Sewer share of \$360K	\$60,000
Total	\$75,000

6473 Sanitary Sewer Capital

Main Street Reconstruction -Construction Engineering	\$10,000
Main St CIPP Lining - Bal Phase II Engineering	\$24,000
Main St CIPP Lining (Construction)	\$1,100,000
Sanitary Sewer Collection Rehabilitation	\$280,000
Ward 1 Sanitary Sewer Repairs/Replacements	\$15,000
Sanitary Sewer Share of \$171,800 for PW Bldg Roof	\$51,540
Holy Cross Force main - Phase II Engineering	\$20,000
Total	\$1,500,540

6475 Wastewater Treatment Infrastructure

Design Engineering Ph 2 WWTP	\$375,000
Replace Grit Washer WWTP Headworks	\$50,000
Repair Fine Grit Screens WWTP Headworks	\$100,000
Update WWTP Facility Plan	\$75,000
Replace Randall Rd Lift Station	\$150,000
Repair 3 Way Vavles Colonial Lift Station	\$25,000
Total	\$775,000

City of Batavia 2021 Annual Budget

Expenditures

Fund #31 — Wastewater Utility

Department #82 — Waste Water Treatment

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2018	2019	Budget 2020	2020	Budget 2021
6101	Salaries and Wages	\$560,319	\$600,336	\$663,783	\$688,351	\$663,300
6102	Overtime	\$31,594	\$35,298	\$29,645	\$37,788	\$27,588
6103	Double-time	\$14,647	\$19,422	\$35,573	\$25,983	\$33,117
6104	Stand-by	\$39,659	\$40,590	\$38,933	\$38,898	\$32,471
6107	Part-time Wages	\$21,528	\$16,926	\$5,000	\$0	\$5,000
6120	City Health Ins Contribution	\$135,522	\$159,986	\$150,402	\$153,578	\$159,720
6121	City IMRF Pension Contribution	\$166,958	\$75,454	\$98,449	\$101,409	\$96,375
6122	City Share FICA and Medicare	\$49,081	\$51,643	\$59,129	\$60,513	\$58,253
6126	Workers Compensation Contrib	\$10,000	\$10,000	\$25,000	\$25,000	\$25,000
6205	Memberships	\$270	\$380	\$400	\$360	\$400
6210	Training & Seminars	\$2,570	\$2,199	\$3,800	\$2,200	\$3,800
6230	Office Supplies	\$579	\$6,763	\$700	\$500	\$600
6238	Lab Supplies	\$3,577	\$13,348	\$20,000	\$13,200	\$7,500
6241	Fuel	\$7,074	\$3,216	\$7,000	\$3,000	\$5,000
6248	Regulatory Fees	\$15,500	\$15,655	\$15,656	\$15,500	\$15,500
6250	Telephone	\$6,265	\$3,662	\$3,500	\$3,850	\$3,800
6255	Clothing & Uniforms	\$4,117	\$3,709	\$4,500	\$3,300	\$4,300
6258	Chemicals	\$74,694	\$148,575	\$40,000	\$120,900	\$125,000
6260	Utilities	\$508,717	\$556,047	\$550,000	\$450,000	\$550,000
6261	Safety Supplies	\$593	\$2,605	\$2,000	\$500	\$2,000
6264	General Supplies	\$7,831	\$8,910	\$15,000	\$7,000	\$15,000
6310	R & M Vehicles	\$3,541	\$415	\$4,000	\$5,500	\$5,000
6315	R & M Building	\$18,366	\$2,165	\$48,300	\$25,000	\$40,000
6340	R & M Field	\$73,069	\$141,348	\$155,000	\$120,000	\$155,000
6351	Property & Liability Insurance	\$54,243	\$37,282	\$62,250	\$62,250	\$70,000
6355	Professional Services	\$27,278	\$41,340	\$19,000	\$22,000	\$19,250
6365	Landfill Fees	\$200,028	\$135,545	\$100,000	\$85,000	\$100,000
6625	Bad Debt Expense	\$10,006	\$3,764	\$10,000	\$9,000	\$10,000
6629	Water/Sewer Metering	\$121,548	\$127,078	\$122,946	\$122,946	\$120,000
6630	General Fund Administration	\$470,000	\$500,000	\$550,000	\$550,000	\$575,000
	Waste Water Treatment	\$2,639,174	\$2,763,661	\$2,839,966	\$2,753,526	\$2,927,974

City of Batavia 2021 Annual Budget

Fund # 31 — Wastewater Utility

Department #82 — Waste Water Treatment

Detail on Significant Items

Account

Personnel

- (1) Superintendent of Wastewater
- (1) Chief Operator
- (4) Wastewater Plant Operator
- (1) Lab Technician
- (1) Administrative Assistant

6210 Training & Seminars

	IEPA requires Continuing Education Credits for all Wastewater Operators	\$3,800
	Total	\$3,800

6241 Fuel

	Generators and Vehicle Fuel	\$5,000
	Total	\$5,000

6258 Chemicals

	Have actual numbers and frequency of orders, after one full year in new building	\$125,000
	Total	\$125,000

6315 R & M Building

	Several Lift Stations in need of new roofing.	\$40,000
	Total	\$40,000

6340 R & M Field

	R&M as necessary	\$140,000
	SCADA R&M	\$15,000
	Total	\$155,000

City of Batavia 2021 Annual Budget

Fund # 31 — Wastewater Utility

Department #82 — Waste Water Treatment

Detail on Significant Items

Account

6355	Professional Services	
	Annual Backflow Prevention Testing	\$1,000
	Outsourced lab analysis	\$2,000
	Annual Contribution to Fox River Study Group (May be waived in 2021 due to COVID - 19)	\$6,250
	Various Professional Services	\$10,000
	Total	\$19,250

City of Batavia 2021 Annual Budget

Expenditures

Fund #31 — Wastewater Utility

Department #83 — Sanitary Sewer

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2018	2019	Budget	2020	Budget
				2020	2020	2021
6210	Training & Seminars	\$0	\$0	\$500	\$275	\$500
6240	Materials	\$0	\$236	\$1,200	\$1,000	\$1,200
6241	Fuel	\$2,936	\$2,641	\$3,000	\$2,550	\$3,000
6255	Clothing & Uniforms	\$779	\$744	\$800	\$500	\$600
6264	General Supplies	\$159	\$2,570	\$2,000	\$4,000	\$5,250
6268	Water/Sewer Meters	\$96,265	\$105,382	\$100,000	\$100,000	\$100,000
6310	R & M Vehicles	\$309	\$0	\$1,500	\$1,250	\$1,500
6340	R & M Field	\$3,313	\$1,594	\$5,500	\$2,500	\$5,000
6351	Property & Liability Insurance	\$255	\$14,244	\$1,315	\$0	\$5,000
6355	Professional Services	\$20,975	\$37,546	\$55,003	\$55,003	\$80,668
6627	SS Share Water Salaries	\$74,735	\$128,474	\$138,897	\$138,897	\$275,000
	Sanitary Sewer	\$199,726	\$293,431	\$309,715	\$305,975	\$477,718

City of Batavia 2021 Annual Budget

Fund # 31 — Wastewater Utility

Department #83 — Sanitary Sewer

Detail on Significant Items

Account

6264	General Supplies	
	Misc. Sewer Pipe/Fittings	\$2,500
	Updated Water Main and Sanitary Sewer Locating Equipment (2-way split)	\$2,750
	Total	\$5,250
6355	Professional Services	
	Reimbursments - Service Sewer Roddings/ Point Repairs	\$12,000
	Root Foaming	\$13,500
	Emergency Sanitary Sewer Main Point Repairs	\$15,000
	General Consulting & Engineering	\$20,000
	JULIE Services	\$4,500
	Pavement/Concrete Restoration	\$8,000
	Vue-Works Upgrade (Per IS) **50% split with Water**	\$6,500
	Vue-Works Maintenance (Per IS) **50% split with Water**	\$1,168
	Total	\$80,668

City of Batavia 2021 Annual Budget

Expenditures

Fund #31 — Wastewater Utility

Department #98 — Revenue Bond Payments

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2018	2019	Budget 2020	2020	Budget 2021
6601	Principal Payment	\$816,662	\$1,833,087	\$1,843,945	\$1,860,385	\$1,353,697
6602	Interest Expense	\$297,476	\$481,185	\$418,456	\$425,729	\$496,730
	Revenue Bond Payments	\$1,114,138	\$2,314,272	\$2,262,401	\$2,286,114	\$1,850,427

City of Batavia 2021 Annual Budget

Fund # 31 — Wastewater Utility

Department #98 — Revenue Bond Payments

Detail on Significant Items

Account

6601	Principal Payment	
	L17-4245 IEPA Phase 1 WTP 04/30/21	\$640,971
	L17-4245 IEPA Phase 1 WTP 10/30/21	\$646,580
	L17-3152 IEPA Loan Due 06/01/21	\$16,592
	L17-3152 IEPA Loan Due 12/01/2021	\$16,744
	Estimated Principal on IEPA Loan 5708 (Area 3)	\$32,810
	Total	\$1,353,697
6602	Interest Expense	
	L17-4245 IEPA Phase 1 WTP Interest due 04/30/21	\$236,123
	L17-4245 IEPA Phase 1 WTP Interest due 10/30/21	\$230,515
	L17-3152 IEPA Loan Interest due 06/01/2021	\$7,122
	L17-3152 IEPA Loan Interest due 12/01/2021	\$6,970
	Estimated Interest on IEPA Loan 5708 (Area 3)	\$16,000
	Total	\$496,730