

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 so as 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. The City has some combined sanitary/storm sewers. 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**

Phase I of the Wastewater Treatment Facility rehabilitation project began in 2013. Several equipment and process items are being replaced and/or repaired due to long-term wear. Included in the 2014 budget is \$1,600,000 for Engineering Services which include: updating of the Wastewater Master Plan, assisting with the IEPA Loan Application Process and Design of Phase I. Design Engineering is eligible for reimbursement through IEPA low interest loans once the loans are approved.

- **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

The WWTP utilizes maintenance software to schedule and track maintenance of equipment both at the WWTP and the 18 lift stations throughout the community.

Within the 2014 WWTP budget are moneys budgeted for SCADA Upgrades. These upgrades are necessary to ensure faster and more reliable information about what is going on in the system. This in turn will allow staff to better respond to emergencies within the system.

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

WWTP staff has been meeting regularly with the IEPA and the Fox River Study Group to develop language in our new NPDES (National Pollutant Discharge Elimination System) Permit. Although the new Permit has not been issued to date, it appears that many of our recommendations were heard and will be incorporated in the new permit. The recommendations were an attempt to lessen potentially unnecessary upgrades and impacts to our rate-payers.

City of Batavia 2014 Annual Budget

Fund #31 — Wastewater Fund Summary

Description	Actual 2011	Actual 2012	Approved Budget 2013	Estimated 2013	Proposed Budget 2014
Surplus and Reserves	\$2,108,593	\$1,884,250		\$1,871,594	\$1,056,800
01 Utility Operating Revenues	\$3,664,521	\$3,951,584	\$4,221,652	\$4,215,533	\$4,548,377
02 Utility Nonoperating Revenues	\$158,348	\$34,527	\$53,500	\$30,250	\$40,300
06 Other Revenues	\$6,158	\$5,964	\$8,000	\$8,000	\$8,000
08 Revenue Bond Proceeds	\$448,184	\$0	\$0	\$147,700	\$2,950,000
Total Revenue	\$4,277,211	\$3,992,075	\$4,283,152	\$4,401,483	\$7,546,677
Wastewater Improvements	\$736,264	\$81,973	\$1,079,000	\$1,100,000	\$3,460,000
Waste Water Treatment	\$2,025,275	\$2,178,430	\$2,281,507	\$2,210,096	\$2,261,640
Sanitary Sewer	\$248,438	\$488,145	\$1,016,329	\$915,246	\$956,094
Interfund Allocations	\$113,719	\$119,069	\$124,379	\$124,379	\$125,988
Revenue Bond Payments	\$1,377,858	\$1,137,114	\$887,523	\$866,556	\$878,635
Total Expense	\$4,501,554	\$4,004,731	\$5,388,738	\$5,216,277	\$7,682,357
Surplus/(Deficit)	(\$224,343)	(\$12,656)	(\$1,105,586)	(\$814,794)	(\$135,680)
Surplus and Reserves	\$1,884,250	\$1,871,594		\$1,056,800	\$921,120

City of Batavia 2014 Annual Budget

Revenues

Fund #31 — Wastewater Fund

Acct.	Description	Actual 2011	Actual 2012	Approved Budget 2013	Estimated 2013	Proposed Budget 2014
4710	Residential Sewer Charges	\$2,543,292	\$2,768,360	\$2,975,867	\$2,935,220	\$3,168,277
4715	Comm & Indust Sewer Charges	\$1,087,794	\$1,152,520	\$1,213,285	\$1,250,863	\$1,350,100
4721	Sewer Penalties	\$33,435	\$30,704	\$32,500	\$29,450	\$30,000
	01 Utility Operating Revenues	\$3,664,521	\$3,951,584	\$4,221,652	\$4,215,533	\$4,548,377
4725	Sewer Treatment Charges	\$147,713	\$26,660	\$40,000	\$25,000	\$30,000
4730	Sanitary Sewer Recapture	\$0	\$0	\$3,000	\$0	\$1,800
4735	Sanitary Sewer Inspection	\$210	\$530	\$500	\$250	\$500
4740	Sewer Connections	\$10,425	\$7,337	\$10,000	\$5,000	\$8,000
	02 Utility Nonoperating Revenues	\$158,348	\$34,527	\$53,500	\$30,250	\$40,300
5000	Investment Income	\$6,158	\$5,964	\$8,000	\$8,000	\$8,000
	06 Other Revenues	\$6,158	\$5,964	\$8,000	\$8,000	\$8,000
4411	Revenue Bond Proceeds	\$448,184	\$0	\$0	\$147,700	\$0
4750	IEPA Low Interest Loan Proceeds	\$0	\$0	\$0	\$0	\$2,950,000
	08 Revenue Bond Proceeds	\$448,184	\$0	\$0	\$147,700	\$2,950,000
	Total Revenue	\$4,277,211	\$3,992,075	\$4,283,152	\$4,401,483	\$7,546,677

City of Batavia 2014 Annual Budget

Fund # 31 — Wastewater Fund

Department #00 — Revenues

Detail on Significant Items

Account

4750	IEPA Low Interest Loan Proceeds		
	IEPA Construction Drawdowns		\$2,950,000
		Total	\$2,950,000

City of Batavia 2014 Annual Budget

Expenditures

Fund #31 — Wastewater Fund

Department #81 — Wastewater Improvements

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2011	2012	Budget 2013	2013	Budget 2014
6355	Contractual Services	\$633,813	\$33,630	\$860,000	\$890,000	\$1,810,000
6360	Engineering Fees	\$102,451	\$48,343	\$200,000	\$210,000	\$1,600,000
6450	Vehicles & Equipment	\$0	\$0	\$19,000	\$0	\$50,000
	Wastewater Improvements	\$736,264	\$81,973	\$1,079,000	\$1,100,000	\$3,460,000

City of Batavia 2014 Annual Budget

Fund # 31 — Wastewater Fund

Department #81 — Wastewater Improvements

Detail on Significant Items

Account

6355	Contractual Services	
	WWTP Rehab/Expansion - Infrastructure Improvements	\$1,150,000
	WWTP Rehab/Expansion - Building Improvements	\$300,000
	WWTP Rehab/Expansion - General Conditions	\$260,000
	SCADA Upgrade - Lift Stations	\$100,000
	Total	\$1,810,000
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6360	Engineering Fees	
	WWTP Rehab/Expansion - Design Engineering Phase I	\$1,400,000
	WWTP Rehab/Expansion - Construction Engineering	\$200,000
	Total	\$1,600,000
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6450	Vehicles & Equipment	
	Replacing a 1993 Utility Truck	\$50,000
	Total	\$50,000

City of Batavia 2014 Annual Budget

Expenditures

Fund #31 — Wastewater Fund

Department #82 — Waste Water Treatment

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2011	2012	Budget 2013	2013	Budget 2014
6101	Salaries and Wages	\$530,259	\$474,381	\$486,022	\$483,482	\$493,151
6102	Overtime	\$20,383	\$18,339	\$20,000	\$22,520	\$22,970
6103	Double-time	\$14,669	\$16,281	\$17,000	\$18,793	\$19,168
6104	Stand-by	\$32,818	\$33,898	\$34,023	\$35,279	\$35,985
6107	Part-time Wages	\$3,090	\$11,197	\$21,948	\$22,259	\$24,470
6120	City Health Ins Contribution	\$109,860	\$117,025	\$122,877	\$123,498	\$124,189
6121	City IMRF Pension Contribution	\$64,854	\$66,429	\$75,702	\$76,114	\$77,293
6122	City Share FICA and Medicare	\$38,794	\$44,976	\$44,293	\$44,548	\$45,574
6205	Memberships	\$138	\$128	\$250	\$0	\$250
6210	Training & Seminars	\$1,737	\$3,392	\$3,000	\$2,100	\$3,000
6215	Resource Materials	\$145	\$114	\$300	\$208	\$300
6220	Travel & Mileage	\$324	\$0	\$1,000	\$1,000	\$1,000
6230	Office Supplies	\$592	\$619	\$800	\$800	\$800
6238	Lab Supplies	\$2,896	\$2,776	\$5,000	\$4,850	\$5,000
6241	Fuel	\$8,584	\$4,164	\$9,100	\$9,200	\$9,500
6248	Regulatory Fees	\$15,500	\$15,500	\$15,500	\$15,500	\$15,500
6250	Telephone	\$30,770	\$34,812	\$44,404	\$42,000	\$52,140
6255	Clothing & Uniforms	\$2,171	\$2,500	\$3,000	\$3,000	\$3,000
6258	Chemicals	\$29,930	\$22,554	\$33,000	\$32,000	\$33,000
6260	Utilities	\$384,546	\$421,401	\$487,236	\$487,000	\$526,700
6261	Safety Supplies	\$1,669	\$2,624	\$3,000	\$2,500	\$2,500
6264	General Supplies	\$2,448	\$4,180	\$4,000	\$4,000	\$4,000
6286	Landfill Fees	\$89,814	\$96,723	\$97,500	\$97,000	\$98,000
6310	R & M Vehicles	\$3,945	\$3,296	\$2,500	\$2,850	\$3,000
6315	R & M Building	\$2,529	\$3,510	\$3,500	\$3,500	\$3,500
6340	R & M Equipment	\$86,947	\$120,838	\$125,000	\$125,000	\$125,000
6355	Contractual Services	\$74,362	\$129,335	\$98,400	\$28,400	\$24,050
6505	Liability & Property Insurance	\$33,275	\$40,402	\$40,000	\$36,000	\$39,600
6515	Worker's Compensation Self-Ins.	\$25,000	\$15,000	\$15,000	\$15,000	\$12,000
6625	Bad Debt Expense	\$6,904	\$16,602	\$7,957	\$11,500	\$12,000
6630	General Fund Administration	\$406,322	\$455,434	\$460,195	\$460,195	\$445,000
	Waste Water Treatment	\$2,025,275	\$2,178,430	\$2,281,507	\$2,210,096	\$2,261,640

City of Batavia 2014 Annual Budget

Fund # 31 — Wastewater Fund

Department #82 — Waste Water Treatment

Detail on Significant Items

Account

Personnel

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

6107 Part-time Wages

Summer Help	\$6,000
Contracted Lab Tech	\$18,470
Total	\$24,470

6220 Travel & Mileage

Miscellaneous Departmental Travel	\$250
Expansion Related Travel	\$750
Total	\$1,000

6250 Telephone

Administrations Building Phone Lines	\$1,520
Lift Station Telemetry Phone Lines	\$47,700
Cell Phone Service & Equipment	\$2,920
Total	\$52,140

6340 R & M Equipment

Plant Equipment Maintenance & Repair	\$106,000
UV Disinfection System - Lamps, Ballasts, Repairs	\$19,000
Total	\$125,000

City of Batavia 2014 Annual Budget

Fund # 31 — Wastewater Fund

Department #82 — Waste Water Treatment

Detail on Significant Items

Account

6355	Contractual Services	
	Fire Inspection & Maintenance	\$800
	Annual Backflow Testing	\$500
	Outsourced Laboratory Services	\$2,000
	Contribution to Fox Valley Study Group	\$6,250
	Landscaping Maintenance for Lift Stations	\$1,500
	Arc Flash Analysis WWTP Electrical Panels - Ongoing	\$10,000
	Various Professional Services	\$3,000
	Total	\$24,050

City of Batavia 2014 Annual Budget

Expenditures

Fund #31 — Wastewater Fund

Department #83 — Sanitary Sewer

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2011	2012	Budget 2013	2013	Budget 2014
6101	Salaries and Wages	\$101,213	\$96,817	\$114,250	\$114,250	\$115,850
6102	Overtime	\$3,753	\$614	\$9,000	\$7,500	\$9,300
6103	Double-time	\$392	\$400	\$2,120	\$1,500	\$2,200
6120	City Health Ins Contribution	\$23,569	\$21,137	\$24,680	\$22,572	\$22,572
6121	City IMRF Pension Contribution	\$12,114	\$12,160	\$17,038	\$16,750	\$17,230
6122	City Share FICA and Medicare	\$7,327	\$7,145	\$9,591	\$9,429	\$9,742
6210	Training & Seminars	\$120	\$250	\$500	\$300	\$300
6240	Materials	\$6,764	\$584	\$5,300	\$3,000	\$4,000
6241	Fuel	\$4,140	\$5,037	\$5,200	\$4,000	\$4,200
6255	Clothing & Uniforms	\$579	\$541	\$850	\$600	\$600
6264	General Supplies	\$1,449	\$1,502	\$1,600	\$1,500	\$1,500
6268	Meters	\$0	\$54,003	\$150,000	\$80,000	\$100,000
6310	R & M Vehicles	\$795	\$1,945	\$2,000	\$2,800	\$3,000
6340	R & M Equipment	\$4,714	\$3,301	\$4,250	\$3,200	\$3,400
6355	Contractual Services	\$6,582	\$3,355	\$5,000	\$5,000	\$5,000
6360	Engineering Fees	\$3,442	\$10,302	\$22,708	\$56,535	\$45,000
6380	Julie System	\$1,546	\$1,452	\$1,600	\$1,800	\$2,000
6445	Other Equipment	\$11,877	\$128	\$13,535	\$8,535	\$10,200
6473	Sanitary Sewer Capital	\$58,062	\$267,472	\$627,107	\$575,975	\$600,000
	Sanitary Sewer	\$248,438	\$488,145	\$1,016,329	\$915,246	\$956,094

City of Batavia 2014 Annual Budget

Fund # 31 — Wastewater Fund

Department #83 — Sanitary Sewer

Detail on Significant Items

Account

6268	Meters		
	Meter Change-Out Program		\$100,000
		Total	\$100,000
6360	Engineering Fees		
	Collection System Engineering Fees		\$45,000
		Total	\$45,000
6473	Sanitary Sewer Capital		
	Sanitary Sewer Manhole Rehabilitation		\$50,000
	First St Diversion Structure Rehabilitation		\$50,000
	Sanitary Sewer Pipeline Rehabilitation		\$350,000
	Balance of 2013 Sewer Rehabilitation Contract		\$150,000
		Total	\$600,000

City of Batavia 2014 Annual Budget

Expenditures

Fund #31 — Wastewater Fund

Department #90 — Interfund Allocations

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2011	2012	Budget	2013	Budget
				2013		2014
7021	Transfer to Electric Fd21	\$113,719	\$119,069	\$124,379	\$124,379	\$125,988
	Interfund Allocations	\$113,719	\$119,069	\$124,379	\$124,379	\$125,988

City of Batavia 2014 Annual Budget

Fund # 31 — Wastewater Fund

Department #90 — Interfund Allocations

Detail on Significant Items

Account

7021	Transfer to Electric Fd21		
	Wastewater Fund Share of Metering		\$125,988
		Total	\$125,988

City of Batavia 2014 Annual Budget

Expenditures

Fund #31 — Wastewater Fund

Department #98 — Revenue Bond Payments

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2011	2012	Budget 2013	2013	Budget 2014
6601	Principal Payment	\$1,173,828	\$958,315	\$731,322	\$727,294	\$754,199
6602	Interest Expense	\$204,030	\$178,799	\$156,201	\$139,262	\$124,436
	Revenue Bond Payments	\$1,377,858	\$1,137,114	\$887,523	\$866,556	\$878,635

City of Batavia 2014 Annual Budget

Fund # 31 — Wastewater Fund

Department #98 — Revenue Bond Payments

Detail on Significant Items

Account

6601	Principal Payment	
	Recovery Bonds Payment Due 12/15/2014	\$89,199
	GO Bonds Series 2013 - Lift Station Due 11/01/2014	\$60,000
	GO Bonds Series 2013 - Treatment Plant Due 11/01/25014	\$605,000
	Total	\$754,199
6602	Interest Expense	
	GO Bonds Series 2013 - Treatment Plant Due 05/01/2014	\$44,850
	GO Bonds Series 2013 - Teatment Plant Due 11/01/2014	\$44,850
	GO Bonds Series 2013 - Lift Station Due 05/01/2014	\$3,850
	GO Bonds Series 2013 - Lift Station Due 11/01/2014	\$3,850
	Recovery Bonds Payment Due 06/15/14	\$13,518
	Recovery Bonds Interest Due 12/15/2014	\$13,518
	Total	\$124,436