

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 2016 budget is \$1,500,000 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. Also included is \$1,500,000 for contractual service, which for contract services related to Phase I of construction.

- **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

For many years, the WWTP has been using an outdated maintenance software to schedule and track maintenance of equipment both at the WWTP and the 18 lift stations throughout the community. In 2016, Public Works will be implementing new asset management software (VueWorks) that will allow for greater oversight and tracking of our assets.

Within the 2016 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**

The City has been a member of the Fox River Study Group (FRSG) since its inception in 2001 and a City Staff member has been on the Board of Directors for the last 6-years. 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 (the 1998 303(d) list).

The most significant impact on the capital budget will be the expansion/rehabilitation of the WWTP. It has been projected by the City's engineering consultants (Trotter & Associates, Inc.) that costs will be \$60-\$65 Million over the next 12-15 years. A rate study for this and other Capital Projects has been completed and presented to Council. Staff will be asking for Council's approval of the new sewer/water rate structure in the fall of 2015. It is anticipated the WWTP project will be funded with IEPA low interest loans.

City of Batavia 2016 Annual Budget

Fund #31 — Wastewater Fund Summary

Description	Actual 2013	Actual 2014	Approved Budget 2015	Estimated 2015	Proposed Budget 2016
Surplus and Reserves	\$2,252,935	\$1,375,423		\$2,077,648	\$2,301,419
01 Utility Operating Revenues	\$4,195,003	\$4,441,040	\$4,818,845	\$4,654,575	\$4,866,500
02 Utility Nonoperating Revenues	\$34,780	\$96,135	\$63,800	\$65,350	\$75,775
06 Other Revenues	\$5,323	\$1,992	\$2,000	\$2,500	\$500
08 Revenue Bond Proceeds	\$196,494	\$0	\$2,200,000	\$0	\$2,000,000
Total Revenue	\$4,431,600	\$4,539,167	\$7,084,645	\$4,722,425	\$6,942,775
Wastewater Improvements	\$1,047,704	\$241,099	\$3,435,600	\$395,695	\$2,672,400
Waste Water Treatment	\$2,321,005	\$2,300,490	\$2,473,506	\$2,455,837	\$2,552,010
Sanitary Sewer	\$1,028,840	\$428,668	\$1,036,563	\$771,788	\$787,236
Revenue Bond Payments	\$911,563	\$866,685	\$875,334	\$875,334	\$871,835
Total Expense	\$5,309,112	\$3,836,942	\$7,821,003	\$4,498,654	\$6,883,481
Surplus/(Deficit)	(\$877,512)	\$702,225	(\$736,358)	\$223,771	\$59,294
Surplus and Reserves	\$1,375,423	\$2,077,648		\$2,301,419	\$2,360,713

City of Batavia 2016 Annual Budget

Revenues

Fund #31 — Wastewater Fund

Acct.	Description	Actual 2013	Actual 2014	Approved Budget 2015	Estimated 2015	Proposed Budget 2016
4710	Residential Sewer Charges	\$2,921,547	\$3,057,868	\$3,324,945	\$3,198,075	\$3,345,000
4715	Comm & Indust Sewer Charges	\$1,243,122	\$1,349,935	\$1,462,400	\$1,425,000	\$1,490,000
4721	Sewer Penalties	\$30,334	\$33,237	\$31,500	\$31,500	\$31,500
	01 Utility Operating Revenues	\$4,195,003	\$4,441,040	\$4,818,845	\$4,654,575	\$4,866,500
4725	Sewer Treatment Charges	\$27,715	\$33,355	\$50,000	\$42,000	\$50,000
4730	Sanitary Sewer Recapture	\$3,340	\$10,165	\$3,300	\$10,150	\$10,000
4735	Sanitary Sewer Inspection	\$280	\$770	\$500	\$700	\$775
4740	Sewer Connections	\$3,445	\$51,845	\$10,000	\$12,500	\$15,000
	02 Utility Nonoperating Revenues	\$34,780	\$96,135	\$63,800	\$65,350	\$75,775
5000	Investment Income	\$5,323	\$1,992	\$2,000	\$2,500	\$500
	06 Other Revenues	\$5,323	\$1,992	\$2,000	\$2,500	\$500
4750	Bond/Loan Proceeds	\$196,494	\$0	\$2,200,000	\$0	\$2,000,000
	08 Revenue Bond Proceeds	\$196,494	\$0	\$2,200,000	\$0	\$2,000,000
	Total Revenue	\$4,431,600	\$4,539,167	\$7,084,645	\$4,722,425	\$6,942,775

City of Batavia 2016 Annual Budget

Fund # 31 — Wastewater Fund

Department #00 — Revenues

Detail on Significant Items

Account

4750	Bond/Loan Proceeds		
	IEPA Loan Proceeds		\$2,000,000
		Total	\$2,000,000

City of Batavia 2016 Annual Budget

Expenditures

Fund #31 — Wastewater Fund

Department # 81 — Wastewater Improvements

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2013	2014	Budget	2015	Budget
				2015		2016
6435	Capital Contracts	\$861,233	\$34,955	\$1,900,600	\$65,000	\$1,097,400
6440	Capital Engineering	\$186,471	\$167,545	\$1,500,000	\$300,000	\$1,500,000
6445	Capital Equipment	\$0	\$0	\$0	\$0	\$75,000
6450	Vehicles & Equipment	\$0	\$38,599	\$35,000	\$30,695	\$0
	Wastewater Improvements	\$1,047,704	\$241,099	\$3,435,600	\$395,695	\$2,672,400

City of Batavia 2016 Annual Budget

Fund # 31 — Wastewater Fund

Department #81 — Wastewater Improvements

Detail on Significant Items

Account

6435	Capital Contracts	
	WWTP Rehab/Expansion - Infrastructure Improvements	\$300,000
	WWTP Expansion - Professional Services	\$20,000
	WWTP Rehab/Expansion - General Conditions	\$700,000
	SCADA Upgrades - WWTP & Lift Stations (Ongoing)	\$75,000
	Assets and Infrastructure System	\$2,400
	Total	\$1,097,400
6440	Capital Engineering	
	WWTP Rehab/Expansion - Design Engineering	\$1,400,000
	WWTP Rehab/Expansion - Construction Engineering	\$100,000
	Total	\$1,500,000
6445	Capital Equipment	
	SCADA Equipment at WWTP & Lift Stations	\$75,000
	Total	\$75,000

City of Batavia 2016 Annual Budget

Expenditures

Fund #31 — Wastewater Fund

Department # 82 — Waste Water Treatment

Acct.	Description	Actual		Approved	Estimated	Proposed
		2013	2014	Budget 2015	2015	Budget 2016
6101	Salaries and Wages	\$495,012	\$514,699	\$516,924	\$530,250	\$541,752
6102	Overtime	\$21,659	\$20,497	\$22,710	\$22,394	\$23,164
6103	Double-time	\$18,131	\$14,609	\$16,200	\$18,374	\$16,524
6104	Stand-by	\$35,667	\$37,039	\$38,250	\$35,350	\$39,015
6107	Part-time Wages	\$21,416	\$20,608	\$28,094	\$25,008	\$28,656
6120	City Health Ins Contribution	\$123,300	\$122,183	\$128,315	\$129,153	\$143,126
6121	City IMRF Pension Contribution	\$72,132	\$73,151	\$78,181	\$79,798	\$81,466
6122	City Share FICA and Medicare	\$42,649	\$43,440	\$47,597	\$48,300	\$49,657
6126	Workers Compensation Contrib	\$15,000	\$12,000	\$12,000	\$12,000	\$10,000
6205	Memberships	\$113	\$236	\$250	\$250	\$250
6210	Training & Seminars	\$2,550	\$1,852	\$2,500	\$2,500	\$2,500
6211	Travel & Mileage	\$368	\$85	\$1,300	\$1,300	\$1,300
6215	Resource Materials	\$252	\$416	\$200	\$200	\$200
6230	Office Supplies	\$625	\$396	\$700	\$700	\$700
6238	Lab Supplies	\$2,880	\$4,614	\$7,000	\$7,000	\$7,000
6241	Fuel	\$9,647	\$8,152	\$7,000	\$4,470	\$7,000
6248	Regulatory Fees	\$15,500	\$15,500	\$15,500	\$15,500	\$15,500
6250	Telephone	\$40,659	\$51,869	\$59,550	\$56,120	\$59,550
6255	Clothing & Uniforms	\$3,107	\$3,391	\$2,800	\$2,800	\$2,800
6258	Chemicals	\$29,419	\$26,490	\$28,000	\$22,680	\$28,000
6260	Utilities	\$473,259	\$433,402	\$531,706	\$520,000	\$535,000
6261	Safety Supplies	\$822	\$792	\$1,500	\$1,500	\$1,500
6264	General Supplies	\$3,664	\$3,084	\$3,000	\$4,209	\$3,500
6286	Landfill Fees	\$101,880	\$105,891	\$120,350	\$109,660	\$120,350
6310	R & M Vehicles	\$2,522	\$4,699	\$2,000	\$9,180	\$3,000
6315	R & M Building	\$3,267	\$3,141	\$5,000	\$5,000	\$5,000
6340	R & M Field Equipment	\$108,875	\$123,384	\$125,000	\$125,000	\$125,000
6355	Professional Services	\$44,649	\$37,545	\$35,000	\$35,293	\$35,000
6505	Liability & Property Insurance	\$35,229	\$37,493	\$43,910	\$38,279	\$34,000
6625	Bad Debt Expense	\$12,178	\$8,844	\$8,400	\$9,000	\$9,000
6629	Water/Sewer Metering	\$124,379	\$125,988	\$137,785	\$137,785	\$137,500
6630	General Fund Administration	\$460,195	\$445,000	\$446,784	\$446,784	\$485,000
	Waste Water Treatment	\$2,321,005	\$2,300,490	\$2,473,506	\$2,455,837	\$2,552,010

City of Batavia 2016 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

6101 Salaries and Wages

	Salary and Wages	\$521,660
	27th Payroll	\$20,092
	Total	\$541,752

6107 Part-time Wages

	Contract Lab Technician	\$25,500
	Summer Help	\$3,156
	Total	\$28,656

6248 Regulatory Fees

	IEPA NPDES Permit Fees	\$15,500
	Total	\$15,500

6250 Telephone

	Admin Bldg Phone Lines	\$1,560
	Lift Station Alarm Lines - SCADA will eventually replace these lines.	\$55,690
	Cell Phone Service	\$2,300
	Total	\$59,550

City of Batavia 2016 Annual Budget

Fund # 31 — Wastewater Fund

Department #82 — Waste Water Treatment

Detail on Significant Items

Account

6355	Professional Services	
	Fire Inspections	\$1,200
	Annual Backflow Prevention Testing	\$500
	Outsourced Lab Analysis	\$7,500
	Fox Valley River Study Group	\$6,250
	Landscaping Maint / Lift Stations	\$2,000
	Various Professional Services	\$7,550
	Arc Falsh Analysis/Testing	\$10,000
	Total	\$35,000
6630	General Fund Administration	
	Reflects higher costs due to 27 payrolls and Capital Construction and IEPA Loan	\$485,000
	Total	\$485,000

City of Batavia 2016 Annual Budget

Expenditures

Fund #31 — Wastewater Fund

Department #83 — Sanitary Sewer

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2013	2014	Budget 2015	2015	Budget 2016
6101	Salaries and Wages	\$81,332	\$65,117	\$82,000	\$75,146	\$84,745
6102	Overtime	\$3,746	\$4,105	\$5,100	\$5,000	\$5,200
6103	Double-time	\$2,396	\$1,067	\$1,500	\$2,000	\$2,000
6120	City Health Ins Contribution	\$17,333	\$15,180	\$17,904	\$18,148	\$16,885
6121	City IMRF Pension Contribution	\$10,626	\$8,990	\$11,660	\$10,810	\$12,072
6122	City Share FICA and Medicare	\$5,987	\$5,088	\$6,778	\$6,284	\$7,034
6210	Training & Seminars	\$0	\$0	\$300	\$0	\$500
6240	Materials	\$889	\$5,085	\$6,500	\$5,000	\$5,500
6241	Fuel	\$3,279	\$2,980	\$3,500	\$3,000	\$3,500
6255	Clothing & Uniforms	\$632	\$532	\$700	\$700	\$800
6264	General Supplies	\$721	\$723	\$1,500	\$1,500	\$1,500
6268	Water/Sewer Meters	\$67,200	\$100,756	\$100,000	\$100,000	\$100,000
6276	Other Equipment	\$4,777	\$1,037	\$5,000	\$2,500	\$37,000
6310	R & M Vehicles	\$2,166	\$0	\$2,500	\$2,500	\$2,500
6340	R & M Field Equipment	\$2,586	\$3,261	\$4,500	\$5,200	\$5,000
6355	Professional Services	\$221,970	\$6,272	\$20,000	\$18,000	\$20,000
6380	Julie System	\$1,723	\$1,713	\$2,000	\$2,500	\$3,000
6440	Capital Engineering	\$43,876	\$55,889	\$55,000	\$87,000	\$80,000
6473	Sanitary Sewer Capital	\$557,601	\$150,873	\$710,121	\$426,500	\$400,000
	Sanitary Sewer	\$1,028,840	\$428,668	\$1,036,563	\$771,788	\$787,236

City of Batavia 2016 Annual Budget

Fund # 31 — Wastewater Fund

Department #83 — Sanitary Sewer

Detail on Significant Items

Account

6101	Salaries and Wages	
	Salary and Wages	\$81,606
	27th Payroll	\$3,139
	Total	\$84,745
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6276	Other Equipment	
	Sewer Inspection Camera - 1/2 Cost share with Street Division	\$35,000
	Total	\$35,000
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6355	Professional Services	
	Pipeline - Root Foaming	\$15,000
	Lateral Line Rehabilitations	\$5,000
	Total	\$20,000
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6440	Capital Engineering	
	Sanitary Sewer Capital Engineering Fees	\$55,000
	Balance of Cherry Park Sub-Basin Analysis	\$25,000
	Total	\$80,000
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6473	Sanitary Sewer Capital	
	Sanitary Sewer Pipe Lining	\$300,000
	Sanitary Sewer Clean & Televisise	\$100,000
	Total	\$400,000

City of Batavia 2016 Annual Budget

Expenditures

Fund #31 — Wastewater Fund

Department # 98 — Revenue Bond Payments

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2013	2014	Budget	2015	Budget
				2015		2016
6601	Principal Payment	\$727,294	\$754,199	\$766,518	\$766,518	\$779,355
6602	Interest Expense	\$134,534	\$112,486	\$108,816	\$108,816	\$92,480
6610	Debt Issuance Expense	\$49,735	\$0	\$0	\$0	\$0
	Revenue Bond Payments	\$911,563	\$866,685	\$875,334	\$875,334	\$871,835

City of Batavia 2016 Annual Budget

Fund # 31 — Wastewater Fund

Department #98 — Revenue Bond Payments

Detail on Significant Items

Account

6601 Principal Payment

GO Bonds Series 2013 - Lift Station Due 11/01/2016	\$60,000
GO Bonds Series 2013 - Treatment Plant Due 11/01/2016	\$625,000
Recovery Bonds Payment Due 12/15/2016	\$94,355
Total	\$779,355

6602 Interest Expense

GO Bonds Series 2013 - Treatment Plant Due 05/01/2016	\$32,650
GO Bonds Series 2013 - Treatment Plant Due 11/01/2016	\$32,650
GO Bond Series 2013 - Lift Station Due 05/01/2016	\$2,650
GO Bonds Series 2013 - Lift Station Due 11/01/2016	\$2,650
Recovery Bonds Interest Due 06/15/2016	\$10,940
Recovery Bond Interest Due 12/15/2016	\$10,940
Total	\$92,480