

Enterprise Fund - Electric

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 City owns and operates a distribution and transmission electric utility. The electricity is transmitted through the City's electric infrastructure to over 10,850 residential, commercial and industrial consumers. Purchased power is obtained through purchased power contracts and the daily market. The electric utility currently provides power via two 138 kV substations and four 34.5 kV substations along with eighteen kV distribution feeders. Forty-five percent of utility lines are located overhead and the remaining fifty-five percent is underground.

City of Batavia 2019 Annual Budget

Fund #21 — Electric Utility Summary

Description	Actual 2016	Actual 2017	Approved Budget 2018	Estimated 2018	Proposed Budget 2019
Surplus and Reserves	\$19,451,648	\$22,916,889		\$22,661,991	\$21,037,362
01 Utility Operating Revenues	\$50,609,153	\$48,537,409	\$47,110,359	\$47,856,602	\$48,389,227
02 Utility Nonoperating Revenues	\$568,639	\$754,779	\$266,000	\$1,370,738	\$459,400
06 Other Revenues	\$122,036	\$223,185	\$110,000	\$230,000	\$250,000
Total Revenue	\$51,299,828	\$49,515,373	\$47,486,359	\$49,457,340	\$49,098,627
Electric Improvements	\$1,603,311	\$3,203,053	\$8,944,000	\$3,655,898	\$9,057,439
Meter Reading/Locating	\$239,922	\$258,456	\$243,096	\$287,753	\$254,156
Transmission & Distribution	\$44,500,426	\$44,820,162	\$45,800,054	\$45,648,868	\$46,808,763
Revenue Bond Payments	\$1,490,928	\$1,488,600	\$1,489,450	\$1,489,450	\$1,489,550
Total Expense	\$47,834,587	\$49,770,271	\$56,476,600	\$51,081,969	\$57,609,908
Surplus/(Deficit)	\$3,465,241	(\$254,898)	(\$8,990,241)	(\$1,624,629)	(\$8,511,281)
Surplus and Reserves	\$22,916,889	\$22,661,991		\$21,037,362	\$12,526,081

City of Batavia 2019 Annual Budget

Revenues

Fund #21 — Electric Utility

Acct.	Description	Actual 2016	Actual 2017	Approved Budget 2018	Estimated 2018	Proposed Budget 2019
4505	Residential	\$12,826,679	\$12,120,639	\$12,350,000	\$12,682,364	\$12,796,688
4510	General Service < 2,500 kWh	\$1,157,791	\$1,211,817	\$1,180,000	\$1,269,190	\$1,285,000
4515	Energy Sales < 750kW	\$9,850,083	\$9,847,759	\$9,725,500	\$9,525,454	\$9,567,250
4517	General Demand Charge < 750 kW	\$7,325,580	\$7,446,595	\$7,287,000	\$7,182,490	\$7,207,600
4520	Energy Sales Industrial < 50M kWh	\$6,126,473	\$5,848,080	\$4,843,269	\$5,553,316	\$5,600,000
4522	Industrial Demand Charge > 750 kW	\$3,775,888	\$3,410,853	\$3,164,090	\$3,201,343	\$3,230,000
4523	Energy Sales Industrial > 50M kWh	\$3,828,247	\$3,702,930	\$3,828,000	\$3,560,000	\$3,630,189
4524	Demand Sales Industrial > 50M kWh	\$2,423,774	\$2,396,780	\$2,400,000	\$2,337,295	\$2,350,000
4525	State Excise Tax	\$1,390,010	\$1,345,284	\$1,350,000	\$1,325,000	\$1,325,000
4526	Market Rate Utility Sales	\$1,711,860	\$999,366	\$800,000	\$1,025,650	\$1,200,000
4530	Electric Penalties	\$178,998	\$193,491	\$170,000	\$182,000	\$185,000
4541	Reconnection Fee	\$13,770	\$13,815	\$12,500	\$12,500	\$12,500
	01 Utility Operating Revenues	\$50,609,153	\$48,537,409	\$47,110,359	\$47,856,602	\$48,389,227
4535	Pole Lease/Joint Work	\$16,766	\$33,260	\$33,500	\$31,813	\$32,000
4536	Fiber Optic Reimbursement	\$102,948	\$100,101	\$23,500	\$34,925	\$23,400
4538	Labor & Materials Reimbursement	\$95,362	\$48,588	\$55,000	\$50,000	\$50,000
4543	New Const. Fees/Materials	\$337,539	\$571,180	\$150,000	\$1,250,000	\$350,000
4548	Electric Service Permit	\$16,024	\$1,650	\$4,000	\$4,000	\$4,000
	02 Utility Nonoperating Revenues	\$568,639	\$754,779	\$266,000	\$1,370,738	\$459,400
4399	Reimb/Misc Revenue	\$21,568	\$30,100	\$10,000	\$15,000	\$15,000
5000	Investment Income	\$100,468	\$193,085	\$100,000	\$215,000	\$235,000
	06 Other Revenues	\$122,036	\$223,185	\$110,000	\$230,000	\$250,000
	Total Revenue	\$51,299,828	\$49,515,373	\$47,486,359	\$49,457,340	\$49,098,627

City of Batavia 2019 Annual Budget

Expenditures

Fund #21 — Electric Utility

Department #61 — Electric Improvements

Acct.	Description	Actual 2016	Actual 2017	Approved Budget 2018	Estimated 2018	Proposed Budget 2019
6410	Supplies, Poles Wire	\$505,243	\$800,777	\$1,910,000	\$1,010,000	\$1,120,000
6412	Electric Meters	\$77,377	\$56,478	\$100,000	\$75,000	\$100,000
6435	Capital Contracts	\$751,167	\$1,960,850	\$5,634,000	\$2,038,173	\$7,066,066
6450	Vehicles & Equipment	\$171,165	\$219,086	\$320,000	\$302,725	\$60,000
6452	Transformers	\$98,359	\$126,694	\$980,000	\$230,000	\$711,373
6455	Private Use Utilities	\$0	\$39,168	\$0	\$0	\$0
	Electric Improvements	\$1,603,311	\$3,203,053	\$8,944,000	\$3,655,898	\$9,057,439

City of Batavia 2019 Annual Budget

Fund # 21 — Electric Utility

Department #61 — Electric Improvements

Detail on Significant Items

Account

6410 Supplies, Poles Wire

Lorlyn Apartment Improvements	\$70,000
General Capital Supplies, Poles & Wire	\$950,000
Main Substation Wildlife Protection	\$100,000
Total	\$1,120,000

6412 Electric Meters

Annual Meter Replacement Program	\$100,000
Total	\$100,000

6435 Capital Contracts

Northeast Distribution Substation Construction \$310,389; Construction Engineering of \$40,000 (TO#5); Switchgear \$1,039,268; Relay Panels & Materials \$415,000	\$1,804,657
Directional Boring, R&R Transmission Line	\$150,000
SCADA System Upgrade (from 2018)	\$260,000
Lorlyn Apartments	\$220,000
Paramount Substation Rebuild \$3,071,250 and Engineering TO#9 for \$286,000	\$3,357,250
Replace 35kV breakers at NE and SE Substations	\$600,000
Northeast 15kV Distribution Substation Feeder - Part of NE Sub CIP - Reconfiguration-Construction \$250,000; Design \$19,914 TO#8; Materials \$150,000	\$419,914
Woodland Hills Design	\$110,000
Balance of ArcFlash Study (TO#7)	\$17,740
Transmission Line Design-Paramount to Main (TO #6)	\$31,505
Fiber to 6 Industrial Customers (remote metering)	\$95,000
Total	\$7,066,066

City of Batavia 2019 Annual Budget

Fund # 21 — Electric Utility

Department #61 — Electric Improvements

Detail on Significant Items

Account

6450 Vehicles & Equipment

Crew Leader Truck	\$60,000
Total	\$60,000

6452 Transformers

Miscellaneous Transformers	\$200,000
Paramount Substation NE Sub Transformer	\$511,373
Total	\$711,373

City of Batavia 2019 Annual Budget

Expenditures

Fund #21 — Electric Utility

Department #62 — Meter Reading/Locating

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2016	2017	Budget 2018	2018	Budget 2019
6101	Salaries and Wages	\$235,051	\$244,424	\$257,000	\$285,000	\$238,000
6102	Overtime	\$8,238	\$13,099	\$10,000	\$17,000	\$13,000
6103	Double-time	\$2,566	\$2,140	\$2,500	\$2,500	\$2,500
6107	Part-time Wages	\$82,484	\$72,341	\$65,000	\$70,000	\$70,000
6120	City Health Ins Contribution	\$69,561	\$70,206	\$72,358	\$67,693	\$78,552
6121	City IMRF Pension Contribution	\$47,580	\$56,448	\$35,143	\$39,707	\$26,212
6122	City Share FICA and Medicare	\$24,921	\$24,192	\$25,589	\$28,649	\$24,748
6241	Fuel	\$4,574	\$4,047	\$5,000	\$5,000	\$5,200
6250	Telephone	\$826	\$1,336	\$1,500	\$1,000	\$1,000
6255	Clothing & Uniforms	\$1,842	\$2,106	\$2,100	\$2,100	\$2,100
6264	General Supplies	\$1,737	\$3,397	\$3,000	\$4,500	\$39,000
6310	R & M Vehicles	\$1,507	\$1,053	\$1,000	\$1,000	\$1,000
6340	R & M Field Equipment	\$7,077	\$6,787	\$6,000	\$6,700	\$7,000
6450	Vehicles & Equipment	\$26,958	\$0	\$0	\$0	\$0
6629	Water/Sewer Metering	\$-275,000	\$-243,120	\$-243,094	\$-243,096	\$-254,156
	Meter Reading/Locating	\$239,922	\$258,456	\$243,096	\$287,753	\$254,156

City of Batavia 2019 Annual Budget

Fund # 21 — Electric Utility

Department #62 — Meter Reading/Locating

Detail on Significant Items

Account

Personnel

- (1) Meter Shop Crewleader
- (2) Utility Locator/Meter Technician
- (3) Pay Per Read Meter Reader

6264 General Supplies

General Supplies	\$4,000
Replace Utility Locators (2 of 4) Remaining Locators to be Replaced in 2020	\$20,000
ITRON software update	\$5,000
Mobile Remote Meter Reading Equipment	\$10,000
Total	\$39,000

City of Batavia 2019 Annual Budget

Expenditures

Fund #21 — Electric Utility

Department #64 — Transmission & Distribution

Acct.	Description	Actual	Actual	Approved	Estimated	Proposed
		2016	2017	Budget 2018	2018	Budget 2019
6101	Salaries and Wages	\$1,606,458	\$1,868,513	\$1,957,486	\$1,873,800	\$1,789,678
6102	Overtime	\$47,815	\$48,762	\$55,000	\$65,000	\$65,000
6103	Double-time	\$49,141	\$35,689	\$40,000	\$45,000	\$48,000
6104	Stand-by	\$50,643	\$46,458	\$55,000	\$55,000	\$58,000
6120	City Health Ins Contribution	\$327,998	\$371,746	\$381,694	\$377,443	\$367,309
6121	City IMRF Pension Contribution	\$323,378	\$407,144	\$274,816	\$265,860	\$202,734
6122	City Share FICA and Medicare	\$126,977	\$143,803	\$161,223	\$155,968	\$149,992
6126	Workers Compensation Contrib	\$115,000	\$100,000	\$100,000	\$100,000	\$100,000
6205	Memberships	\$12,893	\$12,013	\$15,000	\$15,000	\$15,000
6210	Training & Seminars	\$13,137	\$8,509	\$10,000	\$5,000	\$10,000
6225	Postage & Shipping	\$5,358	\$10,075	\$15,000	\$12,000	\$15,000
6230	Office Supplies	\$1,598	\$1,173	\$1,500	\$2,250	\$2,500
6233	Vehicle & Equip. Supplies	\$10,494	\$4,857	\$8,500	\$7,500	\$8,500
6237	Communication Supplies	\$2,472	\$3,026	\$3,500	\$3,000	\$3,500
6240	Materials	\$5,150	\$12,962	\$7,500	\$7,500	\$7,500
6241	Fuel	\$14,474	\$15,441	\$14,000	\$14,000	\$14,000
6250	Telephone	\$31,342	\$34,321	\$34,000	\$40,000	\$45,000
6255	Clothing & Uniforms	\$11,237	\$11,998	\$11,000	\$11,500	\$12,000
6259	Meals & Refreshments	\$509	\$707	\$800	\$800	\$800
6260	Utilities	\$39,669	\$46,749	\$50,000	\$50,000	\$55,000
6261	Safety Supplies	\$8,803	\$7,847	\$10,000	\$8,000	\$8,000
6264	General Supplies	\$87,556	\$164,347	\$130,000	\$140,000	\$140,000
6276	Other Equipment	\$0	\$0	\$10,000	\$20,000	\$25,000
6286	Landfill Fees	\$5,292	\$7,111	\$8,000	\$6,000	\$8,000
6310	R & M Vehicles	\$10,989	\$35,833	\$10,000	\$18,000	\$25,000
6315	R & M Building	\$39,589	\$47,879	\$75,500	\$32,000	\$83,750
6322	R & M Distribution System	\$181,390	\$166,717	\$356,000	\$196,000	\$209,000
6340	R & M Field Equipment	\$17,071	\$75,473	\$22,000	\$25,000	\$35,000
6351	Property & Liability Insurance	\$71,403	\$62,021	\$80,500	\$63,800	\$72,500
6355	Professional Services	\$364,737	\$135,310	\$294,035	\$94,790	\$125,000
6357	Forestry and Tree Service	\$151,501	\$163,875	\$195,000	\$10,000	\$200,000
6380	Julie System	\$2,110	\$2,241	\$3,000	\$3,000	\$3,000
6604	Payments in Lieu of Taxes	\$0	\$0	\$700,000	\$700,000	\$750,000
6625	Bad Debt Expense	\$76,712	\$52,496	\$60,000	\$55,000	\$55,000
6630	General Fund Administration	\$0	\$329,843	\$725,000	\$725,000	\$775,000
6708	PP-Capacity	\$25,907,291	\$25,557,655	\$24,275,000	\$25,980,657	\$25,800,000
6710	Purchased Power	\$9,223,684	\$9,069,914	\$10,000,000	\$9,100,000	\$10,000,000
6711	Transmission	\$4,060,538	\$4,338,722	\$4,175,000	\$3,950,000	\$4,100,000
6712	Ancillary Services	\$98,605	\$93,170	\$125,000	\$90,000	\$100,000
6720	State Excise Tax	\$1,397,412	\$1,325,762	\$1,350,000	\$1,325,000	\$1,325,000
	Transmission & Distribution	\$44,500,426	\$44,820,162	\$45,800,054	\$45,648,868	\$46,808,763

City of Batavia 2019 Annual Budget

Fund # 21 — Electric Utility

Department #64 — Transmission & Distribution

Detail on Significant Items

Account

Personnel

- (1) Engineering Manager
- (1) Manager of Electric Operations
- (1) Senior Project Engineer
- (1) Project Engineer
- (1) 1/2 Engineering Assistant
- (2) Crewleader
- (8) Lineman
- (2) Apprentice Lineman
- (1) PT Administrative Assistant
- (1) Warehouse Operator

6101	Salaries and Wages	
	Lower Wage Cost with Retirement of 2 Linemen. Planned for reduction with Apprentice Linemen in place.	\$1,789,678
	Total	\$1,789,678

6205	Memberships	
	IMUA Membership	\$14,000
	Professional Membership	\$1,000
	Total	\$15,000

6250	Telephone	
	Increased Cost for Alarm Lines	\$45,000
	Total	\$45,000

6315	R & M Building	
	R&M Building	\$11,250
	Fence and Gate Repairs	\$1,500
	1st Floor Office Remodelling	\$21,500
	Roof Repairs	\$2,500
	Overhead Garage Door Replacement	\$2,500
	Radiant Garage Heater Replacement	\$3,000

City of Batavia 2019 Annual Budget

Fund # 21 — Electric Utility

Department #64 — Transmission & Distribution

Detail on Significant Items

Account

Exterior Door Canopies	\$1,250
Structural Engineering Analysis for Roof Repairs	\$3,750
Emergency Generator Load Analysis	\$2,500
Security System Upgrade	\$2,500
Women's Bathroom Remodelling	\$2,000
Garage Floor Drain Replacement	\$20,000
Fire Alarm Panel Replacement	\$7,500
Ice Machine Replacement	\$2,000
Total	\$83,750

6322 R & M Distribution System

34kV Substaion Testing	\$75,000
Battery Testing and Repair	\$30,000
Transformer Oil Testing	\$20,000
12kV Substation Testing and Repair	\$50,000
Fiber Patch Panel Splicing	\$30,000
Pest Control at Substations	\$4,000
Total	\$209,000

6355 Professional Services

SCADA and Relay Software	\$30,000
Legal and Professional Services	\$50,000
NERC Reliability First	\$15,000
VUEWORKS Asset Management Software	\$13,000
ASPEN & Team Software Support	\$12,000
Electric Vehicle Charger Rebate Program	\$5,000
Total	\$125,000

City of Batavia 2019 Annual Budget

Fund # 21 — Electric Utility

Department #64 — Transmission & Distribution

Detail on Significant Items

Account

6357 Forestry and Tree Service

Tree Trimming to Protect Electric Infrastructure \$200,000
Total \$200,000

6708 PP-Capacity

NIMPA Capacity \$18,700,000
PJM Capacity \$7,100,000
Total \$25,800,000

6710 Purchased Power

NIMPA and Net Market Energy \$10,000,000
Total \$10,000,000

City of Batavia 2019 Annual Budget

Expenditures

Fund #21 — Electric Utility

Department #98 — Revenue Bond Payments

Acct.	Description	Actual 2016	Actual 2017	Approved Budget 2018	Estimated 2018	Proposed Budget 2019
6601	Principal Payment	\$780,000	\$805,000	\$830,000	\$830,000	\$855,000
6602	Interest Expense	\$710,928	\$683,600	\$659,450	\$659,450	\$634,550
	Revenue Bond Payments	\$1,490,928	\$1,488,600	\$1,489,450	\$1,489,450	\$1,489,550

City of Batavia 2019 Annual Budget

Fund # 21 — Electric Utility

Department #98 — Revenue Bond Payments

Detail on Significant Items

Account

6601	Principal Payment		
	2015 138kV Revenue Bonds Due 01/01/2020		\$855,000
		Total	\$855,000
6602	Interest Expense		
	2015 138kV Revenue Bonds Interest Due 07/01/19		\$317,275
	2015 138kV Revenue Bonds Interest Due 01/01/20		\$317,275
		Total	\$634,550
