

CITY OF APPLETON 2018 BUDGET

STORMWATER UTILITY

Public Works Director: Paula A. Vandehey

Deputy Director/City Engineer: Ross M. Buetow

Deputy Director of Operations-DPW: Nathan D. Loper

CITY OF APPLETON 2018 BUDGET STORMWATER

MISSION STATEMENT

The Stormwater Utility was created to provide for the management of surface water run-off in the City of Appleton. It exists to limit flooding and protect water quality.

DISCUSSION OF SIGNIFICANT 2017 EVENTS

Updated the following City Stormwater Plans per new WDNR standards: Illicit Discharge Detection and Elimination

Completed final construction of Northland Pond in West Wisconsin drainage study area

Continued to improve practices for inspecting and maintaining City stormwater facilities by using available resources such as GIS mapping and the DPW horticulturist position

Hauled leaves and debris to the Outagamie County pilot compost site to reduce haul distances and associated costs

Continued implementing the selected alternatives of detailed drainage studies as streets come up for reconstruction, to reduce flooding and to take advantage of opportunities to implement water quality practices

Continued to implement the on-going Field Screening Program for the illicit discharge requirements of the City's NR216 Permit

Continued implementing the following programs as required by the City's NR216 permit: Public Education, Public Participation, Erosion Control, Pollution Prevention, Illicit Discharge Detection/Elimination, and Post-Construction Stormwater Management Plan review

Continue to inspect and maintain the stormwater facilities on Appleton Area School District (AASD) property (added in 2016) including ponds, bio-filters, and large sump manholes per the cooperative agreement with AASD.

Currently maintaining a total inventory of 40 wet ponds, 8 dry ponds, 4 bio-filters, and several miles of engineered channels

Continued working toward compliance with the new WDNR NR216 Water Quality Permit / Fox River TMDL

Continued to coordinate with WisDOT on 441/Oneida Street project to facilitate possible future expansion of the Valley Road detention basin to improve flood reduction and runoff quality

Completed construction of Arbutus Park storm sewer lift station rehabilitation

Continued design, permitting, and property acquisition for Leona Pond

Completed 60% engineering for Spartan Drive storm sewers, stormwater management practices, and stream crossings

Assisted Community Development with permitting issues, delineated wetlands and other stormwater planning issues

Received \$349,790 funding from the DNR Municipal Flood Control Grant for Northland Pond

Administered installation of native vegetation for Facilities & Construction Management at the new Erb Pool Pond

Constructed CTH JJ/Lightning Stormwater Pond jointly with Outagamie County for JJ/Lightning Drive reconstruction project

Constructed Cotter Street Pond to reduce flooding in Leonard Street Basin Study Area

Installed two new storm sewer outfalls to the Fox River per Spencer-Locust Basin Study

Completed drainage study for urbanization of Alvin Street and Evergreen Drive east of Richmond Street

CITY OF APPLETON 2018 BUDGET STORMWATER

MAJOR 2018 OBJECTIVES

Continue implementing the following programs as required by the City's NR216 permit: Public Education, Public Participation, Erosion Control, Pollution Prevention, Illicit Discharge Detection/Elimination, Post-Construction Stormwater Management Plans, including implementing the eighth year of on-going Field Screening Program for the Illicit Discharge requirements of the City's NR216 Permit

Continue to identify and pursue water quality practices toward continual progress in achieving compliance with TMDL water quality standards

Continue to improve practices for inspecting and maintaining City stormwater facilities by using available resources such as GIS mapping and the DPW horticulturist position

Continue to haul leaves and debris to the Outagamie County pilot compost site to reduce haul distances and associated costs

Continue to address flooding concerns by refining and implementing recommendations from completed drainage studies throughout the City

Continue working with WisDOT to find joint stormwater solutions on STH 441 Project

Continue to acquire land, complete bid documents, grant applications, and permit applications for Leona Street Pond Project

Construct Spartan Drive storm sewer and stream crossing between STH 47 and Haymeadow Avenue

Reconstruct Ballard Road storm sewer from Wisconsin Avenue to Fox River for flood reduction

Continue to update GIS measurements for all commercial properties for utility billing

Construct storm sewers and stormwater management facilities for reconstruction of Evergreen Drive east of STH 47 and Alvin Street jointly with Town of Grand Chute to meet future development needs.

DEPARTMENT BUDGET SUMMARY

Programs		Actual		Budget			%
Unit	Title	2015	2016	Adopted 2017	Amended 2017	2018	Change *
Program Revenues		\$ 10,457,171	\$ 10,109,539	\$ 10,270,565	\$ 10,270,565	\$ 10,248,990	-0.21%
Program Expenses							
5210	Administration	5,193,082	5,459,129	5,555,798	5,565,313	5,790,432	4.22%
5220	Facility Maintenance	1,334,602	1,287,949	1,467,360	1,469,477	1,375,789	-6.24%
5225	Leaf Collection	427,209	436,899	424,575	426,057	445,172	4.85%
5230	Capital Construction	571,398	482,214	12,441,669	13,203,786	6,099,124	-50.98%
TOTAL		\$ 7,526,291	\$ 7,666,191	\$ 19,889,402	\$ 20,664,633	\$ 13,710,517	-31.07%
Expenses Comprised Of:							
	Personnel	1,382,857	1,586,771	1,697,932	1,703,697	1,767,897	4.12%
	Administrative Expense	4,508,102	4,507,679	4,717,472	4,717,472	5,002,224	6.04%
	Supplies & Materials	80,676	95,193	103,015	103,015	93,420	-9.31%
	Purchased Services	882,601	1,293,383	1,128,640	1,595,853	625,820	-44.55%
	Utilities	4,855	3,033	6,100	6,100	6,414	5.15%
	Repair & Maintenance	458,156	446,010	488,831	488,831	508,606	4.05%
	Capital Expenditures	209,044	(265,878)	11,747,412	12,049,665	5,706,136	-51.43%
Full Time Equivalent Staff:							
	Personnel allocated to programs	19.67	19.69	19.66	19.66	19.76	

* % change from prior year adopted budget

CITY OF APPLETON 2018 BUDGET

STORMWATER

Administration

Business Unit 5210

PROGRAM MISSION

To provide administrative and planning support to insure safe, reliable and environmentally sound stormwater management.

PROGRAM NARRATIVE

Link to City Goals:

Implements Key Strategies #1: "Prompt delivery of excellent services", #2: "Encourage active community participation and involvement", #3: "Recognize and grow everyone's talents", #4: "Continually assess trends affecting the community and proactively respond", #6: "Create opportunities and learn from successes and failures", and #7: "Communicate our success through stories and testimonials".

Objectives:

- Continue to educate the community on stormwater issues and assessment billing policies
- Insure that all construction and repair of our facilities is in compliance with the Department of Natural Resources regulations
- Continue to research other funding sources for stormwater programs and submit requests when applicable
- Develop short and long range plans that meet regulations and provide for the stormwater needs of the community and the watershed
- Continue to train employees on stormwater regulations
- Show continual progress toward meeting TMDL water quality standards

Major changes in Revenue, Expenditures, or Programs:

Drainage studies have been completed for all major drainage areas in the City. Flood report analysis funds will be used to develop details and answer questions related to existing internal flood reports and to help refine and clarify existing study areas.

The increase in depreciation and interest expense is due to the expansion of infrastructure. As debt is issued each year to fund infrastructure costs interest expense continues to rise as the total debt issued is increasing each year; depreciation expense also increases as more infrastructure is added and the cost of the infrastructure is increasing each year.

PERFORMANCE INDICATORS

	Actual 2015	Actual 2016	Target 2017	Projected 2017	Target 2018
Client Benefits/Impacts					
Economic development					
Drainage Studies/Plans completed or updated	0	0	1	2**	0
Strategic Outcomes					
Alternative sources of revenue					
# of grants applied for	0	1	0	0	2***
Value of grant dollars awarded or applied for future reimbursement	\$ -	\$349,790*	\$ -	\$ -	-
Safe, reliable future level of service					
Acre feet of storage identified for future use	0.0	0.75	0.0	0.0	0.0
# of DNR non-compliance notices received	0	0	0	0	0
Work Process Outputs					
Preventive maintenance of system					
Erosion control plans reviewed (permits)	49	49	25	25	30

* Northland Pond

** Evergreen/Alvin Study, Coop Pond Analysis

*** Leona Pond (NPS & MFC)

**CITY OF APPLETON 2018 BUDGET
STORMWATER**

Administration

Business Unit 5210

PROGRAM BUDGET SUMMARY

Description	Actual		Budget		
	2015	2016	Adopted 2017	Amended 2017	2018
Revenues					
4411 Sundry Permits	\$ -	\$ 25	\$ -	\$ -	\$ -
4418 Plan Review Permit	37,079	41,034	30,000	30,000	35,000
4420 Erosion Control	6,750	6,450	7,000	7,000	7,000
4710 Interest on Investments	114,739	83,128	200,000	200,000	200,000
4730 Interest - Deferred Special	3,202	1,791	-	-	-
4880 Stormwater Revenue	9,123,964	9,339,293	9,361,845	9,361,845	9,415,000
5021 Capital Contributions	509,100	415,683	461,966	461,966	161,555
5035 Other Reimbursements	3,346	7,649	-	-	-
5071 Customer Penalty	35,053	34,329	37,000	37,000	35,000
5086 Premium on Debt Issue	123,563	176,209	172,754	172,754	395,435
5925 Transfer in - Wastewater	500,000	-	-	-	-
Total Revenue	\$ 10,456,796	\$ 10,105,591	\$ 10,270,565	\$ 10,270,565	\$ 10,248,990
Expenses					
6101 Regular Salaries	\$ 389,683	\$ 423,735	\$ 438,007	\$ 439,404	\$ 439,954
6104 Call Time	420	302	700	700	600
6105 Overtime	1,475	755	1,000	1,000	1,000
6108 Part-Time	918	424	484	484	-
6150 Fringes	119,028	224,232	150,201	150,408	162,365
6201 Training\Conferences	7,596	2,637	7,500	7,500	7,500
6206 Parking Permits	645	684	720	720	720
6301 Office Supplies	296	294	250	250	250
6303 Memberships & Licenses	16,654	13,100	15,010	15,010	15,015
6304 Postage\Freight	20,566	18,264	22,000	22,000	22,000
6305 Awards & Recognition	665	665	665	665	665
6309 Shop Supplies & Tools	132	138	-	-	-
6315 Books & Library Materials	-	-	100	100	100
6320 Printing & Reproduction	3,326	2,817	3,300	3,300	3,300
6321 Clothing	141	161	55	55	150
6323 Safety Supplies	109	352	100	100	350
6327 Miscellaneous Equipment	1,536	2,964	2,200	2,200	2,200
6401 Accounting/Audit	9,808	9,654	9,900	9,900	9,900
6402 Legal Fees	240	510	400	400	400
6403 Bank Services	16,720	16,653	18,120	18,120	18,120
6404 Consulting Services	139,453	175,494	231,800	239,711	178,800
6412 Advertising	3,361	-	-	-	-
6413 Utilities	885	849	1,104	1,104	1,104
6424 Software Support	9,746	12,930	15,005	15,005	5,975
6425 CEA Equip. Rental	8,035	7,604	10,600	10,600	10,600
6501 Insurance	33,534	39,936	47,000	47,000	42,730
6599 Other Contracts/Obligations	35,325	127,586	10,460	10,460	8,500
6601 Depreciation Expense	2,513,011	2,473,940	2,750,000	2,750,000	2,825,000
6623 Uncollectable Accounts	1,651	1,346	2,000	2,000	1,400
6720 Interest Payments	1,656,572	1,641,736	1,643,217	1,643,217	1,722,007
6730 Debt Issuance Costs	127,924	198,317	100,000	100,000	150,000
6751 Gain/Loss on refund Amort	41,127	48,550	61,400	61,400	147,227
7911 Trans Out - General Fund	12,500	12,500	12,500	12,500	12,500
7914 Transfer out - Capital Projects	20,000	-	-	-	-
Total Expense	\$ 5,193,082	\$ 5,459,129	\$ 5,555,798	\$ 5,565,313	\$ 5,790,432

DETAILED SUMMARY OF 2018 PROPOSED EXPENDITURES > \$15,000

Memberships & Licenses	\$ 250	Consulting Services	
IECA Membership	8,000	Stormwater management	
NR216 Annual Fee	3,300	plan reviews	\$ 50,000
NEWSC Dues	2,000	Flooding concerns	
MEG Membership	525	area study	50,000
ASCIS Membership	600	League of Municipalities	2,000
League of Municipalities SW	340	NR216 permitting	33,000
APWA Membership	<u>\$ 15,015</u>	Wetland studies	11,000
		Water quality modeling	32,800
			<u>\$ 178,800</u>
Postage & Freight			
City Service Invoice postage	\$ 20,700		
City Service Invoice folding/ inserting	1,300		
	<u>\$ 22,000</u>		

**CITY OF APPLETON 2018 BUDGET
STORMWATER**

Facility Maintenance

Business Unit 5220

PROGRAM MISSION

To plan and implement a maintenance program that keeps the stormwater system in a safe and environmentally sound condition.

PROGRAM NARRATIVE

Link to City Goals:

Implements Key Strategies #1: "Prompt delivery of excellent services", #4: "Continually assess trends affecting the community and proactively respond", #6: "Create opportunities and learn from successes and failures", and #7: "Communicate our success through stories and testimonials".

Objectives:

- Continue to have a proactive maintenance program to identify major repair areas
- Reduce the number of failures and insure the system is operating properly
- Encourage good housekeeping practices on private developments, which will reduce the City's maintenance cost and improve water quality
- Reduce the response time per facility through an effective maintenance program
- Implement adaptive management plans for stormwater facilities to improve management techniques and response times for facilities maintenance

Major changes in Revenue, Expenditures, or Programs:

The amount budgeted in equipment repair and maintenance is to be used for preventive maintenance for the Rover X sewer camera to extend the life of the camera.

PERFORMANCE INDICATORS

	<u>Actual 2015</u>	<u>Actual 2016</u>	<u>Target 2017</u>	<u>Projected 2017</u>	<u>Target 2018</u>
Client Benefits/Impacts					
Benefit of inspection program					
# of spot repairs identified from TV reports	5	21	20	20	18
Compliance with regulation					
# of protruding taps identified	5	15	15	15	13
# of cross connections identified	0	0	0	0	0
Strategic Outcomes					
Effectiveness of maintenance program					
# of trouble calls	19	28	20	20	15
% of total system televised	10%	10%	9%	9%	9%
Work Process Outputs					
Preventive maintenance					
Cubic yards of material collected from street sweeping operations	5,565	4,059	4,000	4,000	4,000
% of total storm sewer system cleaned	11.3%	11.1%	13.0%	13.0%	13.0%
Safeguarding health and safety					
# of protruding taps removed	23	0**	13	13	10
# of spot repairs made	37	0**	18	18	15

** Timing of contract pushes work into next calendar year (2017)

**CITY OF APPLETON 2018 BUDGET
STORMWATER**

Facility Maintenance

Business Unit 5220

PROGRAM BUDGET SUMMARY

Description	Actual		Budget		
	2015	2016	Adopted 2017	Amended 2017	2018
Revenues					
4801 Charges for Serv.- Nontax	\$ 1,235	\$ 3,948	\$ -	\$ -	\$ -
Total Revenue	<u>\$ 375</u>	<u>\$ 3,948</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Expenses					
6101 Regular Salaries	\$ 420,494	\$ 414,241	\$ 450,613	\$ 452,456	\$ 457,911
6104 Call Time	2,260	1,567	1,600	1,600	1,600
6105 Overtime	10,925	15,974	9,300	9,300	9,800
6108 Part-Time	5,604	4,998	11,700	11,700	11,748
6150 Fringes	160,276	178,081	170,904	171,178	194,143
6201 Training/Conferences	150	-	-	-	-
6308 Landscape Supplies	2,997	10,845	3,860	3,860	6,360
6309 Shop Supplies & Tools	2,856	607	2,950	2,950	2,250
6316 Miscellaneous Supplies	147	-	-	-	-
6323 Safety Supplies	521	-	-	-	-
6325 Construction Materials	61,305	71,632	78,000	78,000	71,510
6327 Miscellaneous Equipment	6,774	5,259	12,450	12,450	7,200
6404 Consulting Services	229,351	236,013	262,960	262,960	181,500
6408 Contractor Fees	97,993	34,305	100,000	100,000	48,600
6413 Utilities	3,913	1,804	3,496	3,496	4,810
6415 Tipping Fees	50,307	31,176	50,000	50,000	50,000
6418 Equipment Repair & Maint	-	-	-	-	1,100
6420 Facilities Charges	2,339	-	2,406	2,406	2,406
6424 Software Support	-	64	500	500	-
6425 CEA Equip. Rental	229,288	222,750	249,411	249,411	267,641
6454 Grounds Repair & Maint.	782	2,923	2,000	2,000	2,000
6503 Rent	55,210	55,710	55,210	55,210	55,210
6899 Other Capital Outlay	(8,890)	-	-	-	-
Total Expense	<u>\$ 1,334,602</u>	<u>\$ 1,287,949</u>	<u>\$ 1,467,360</u>	<u>\$ 1,469,477</u>	<u>\$ 1,375,789</u>

DETAILED SUMMARY OF 2018 PROPOSED EXPENDITURES > \$15,000

Consulting Services

Ecology services for prairie & wetlands	\$ 85,000
Stormsewer TV & cleaning	77,500
Ecology services for ditches & ravines	19,000
	<u>\$ 181,500</u>

Contractor Fees

Surface restoration	\$ 26,600
Spot repairs	10,000
Animal control	4,000
Ditches & ravine repairs	1,000
Emergency Repairs	5,000
Non-native mowing	2,000
	<u>\$ 48,600</u>

Tipping Fees

Disposal costs of cleaning: \$35 per ton	
Streets - 1,020 tons	\$ 37,740
Storm sewers - 280 tons	10,360
Concrete	1,900
	<u>\$ 50,000</u>

Rent

Land for detention ponds:	
Appleton Memorial Park (@ \$2,800 / acre)	
AMP North, 7.28 acres	\$ 20,400
AMP South, 7 acres	19,600
Reid Golf Course Pond (per agreement)	
7.2 acres	15,210
	<u>\$ 55,210</u>

Construction Materials

Castings	\$ 28,000
Concrete	25,000
Gravel	5,000
Piping	4,000
Clear Stone	2,010
Other materials	7,500
	<u>\$ 71,510</u>

**CITY OF APPLETON 2018 BUDGET
STORMWATER**

Leaf Collection

Business Unit 5225

PROGRAM MISSION

Collect leaves from city streets and dispose of them in a safe and environmentally productive manner

PROGRAM NARRATIVE

Link to City Goals:

Implements Key Strategies #1: "Prompt delivery of excellent services", #4: "Continually assess trends affecting the community and proactively respond", #6: "Create opportunities and learn from successes and failures", and #7: "Communicate our success through stories and testimonials".

Objectives:

- Continually search for ways to improve communication with the public on leaf collection schedules
- Research and evaluate alternative methods of leaf collection and long term disposal
- Adjust leaf collection routes to avoid picking up leaves on the same day as collecting refuse
- Minimize secondary hauling costs of leaves, transporting to Outagamie County compost site, hauling to farm fields and grinding into mulch by working with a composting company

Major changes in Revenue, Expenditures, or Programs:

Actual leaf collections vary from year to year depending on the weather. It is projected to complete three cycles of collection in 2018. The cost per cubic yard collected is based more on the condition of leaves collected than the number of cycles (wet soggy vs. dry fluffy).

PERFORMANCE INDICATORS

	<u>Actual 2015</u>	<u>Actual 2016</u>	<u>Target 2017</u>	<u>Projected 2017</u>	<u>Target 2018</u>
Client Benefits/Impacts					
Service provided					
Number of collection cycles	5	4	3	3	3
Strategic Outcomes					
Cost effective service provided					
Cost/cubic yard collected	\$ 11.00	\$ 11.36	\$ 11.75	\$ 11.75	\$ 12.00
Work Process Outputs					
Safer streets and cleaner storm water system					
Cubic yards of leaves collected	37,100	38,440	35,000	35,000	35,000

**CITY OF APPLETON 2018 BUDGET
STORMWATER**

Leaf Collection

Business Unit 5225

PROGRAM BUDGET SUMMARY

Description	Actual		Budget		
	2015	2016	Adopted 2017	Amended 2017	2018
Expenses					
6101 Regular Salaries	\$ 145,131	\$ 154,821	\$ 170,564	\$ 171,854	\$ 172,294
6104 Call Time	86	81	100	100	100
6105 Overtime	12,078	14,222	7,500	7,500	10,000
6108 Part-Time	112	-	-	-	-
6150 Fringes	55,390	69,566	46,992	47,184	54,384
6408 Contractor Fees	6,962	100	-	-	-
6413 Utilities	57	380	1,500	1,500	500
6425 CEA Equip. Rental	207,393	197,729	197,919	197,919	207,894
Total Expense	<u>\$ 427,209</u>	<u>\$ 436,899</u>	<u>\$ 424,575</u>	<u>\$ 426,057</u>	<u>\$ 445,172</u>

DETAILED SUMMARY OF 2018 PROPOSED EXPENDITURES > \$15,000

None

CITY OF APPLETON 2018 BUDGET

STORMWATER

Capital Construction

Business Unit 5230

PROGRAM MISSION

Design, build, and replace stormwater facilities for the current users to insure compliance with established regulations, to protect surrounding infrastructure and the environment, to increase the acres of land available for development and to prevent major system failures.

PROGRAM NARRATIVE

Link to City Goals:

Implements Key Strategies #1: "Prompt delivery of excellent services", #2: "Encourage active community participation and involvement", #4: "Continually assess trends affecting the community and proactively respond", #6: "Create opportunities and learn from successes and failures", and #7: "Communicate our success through stories and testimonials".

Objectives:

- Continue to inform property owners of future construction in a timely manner
- Design projects to meet regulations and provide cost effective solutions for the community and the watershed
- Monitor projects to insure compliance with deadlines, specifications, and regulations
- Comply with the NR216 Stormwater permit requirements
- Continue implementing the Citywide stormwater management plan and regional flood studies selected alternatives

Major changes in Revenue, Expenditures, or Programs:

- Included funds for purchase of land for proposed Leona Street stormwater pond, to help meet flood reduction and water quality goals (construction planned for 2019).
 - Included funds for reconstruction of Ballard Road storm sewer south of Wisconsin Avenue to help meet flood reduction goals.
 - Included funds for new storm sewers and stormwater management facilities for urbanization of Alvin Street and Evergreen Drive east of STH 47.
 - Included funds for storm sewers and box culvert construction in Spartan Drive from STH 47 to Haymeadow Avenue.
- Please see the Stormwater 5-year capital improvement plan on page 582 for further details.

PERFORMANCE INDICATORS

	<u>Actual 2015</u>	<u>Actual 2016</u>	<u>Target 2017</u>	<u>Projected 2017</u>	<u>Target 2018</u>
Client Benefits/Impacts					
Solutions to system discrepancies					
Residential mini-sewer/drainage complaints: *					
Solved	99	63	100	100	100
Outstanding	95	52	110	110	95
Strategic Outcomes					
Improvements to the stormwater system					
Total miles of storm sewer in City	285	286	288	288	289
% of total miles reconstructed	0.29%	0.49%	1.52%	1.52%	0.61%
Acres of new land available	0	0	0	0	0
Integrity and growth of the system					
ACRE-FT of storage developed	3.5	0.0	26.7	26.7	2**
Work Process Outputs					
Restoration of storm sewers					
Miles of storm sewer reconstructed	0.85	1.42	4.38	4.38	1.75
Expansion of storm sewer system					
Miles of new storm sewer added	0.34	0.58	1.08	1.08	1.54

* Order of resolution of residential drainage complaints is dependent on severity of problem and ability/timing preference of project coordinator to schedule.

** Evergreen/Alvin Drainage Study Area

**CITY OF APPLETON 2018 BUDGET
STORMWATER**

Capital Construction

Business Unit 5230

PROGRAM BUDGET SUMMARY

Description	Actual		Budget		
	2015	2016	Adopted 2017	Amended 2017	2018
Expenses					
6101 Regular Salaries	\$ 41,428	\$ 53,697	\$ 162,265	\$ 162,754	\$ 169,024
6105 Overtime	4,147	4,501	6,777	6,777	4,143
6108 Part-Time	1,554	924	2,073	2,073	2,854
6150 Fringes	11,849	24,651	67,152	67,225	75,977
6308 Landscape Supplies	663	-	-	-	-
6325 Construction Materials	170	417	-	-	-
6328 Signs	-	-	-	-	-
6404 Consulting Services	291,929	203,678	445,000	839,121	130,000
6408 Contractor Fees	180	-	-	65,181	-
6414 Advertising	-	92	-	-	-
6420 Facilities Charges	-	-	-	-	-
6425 CEA Equip. Rental	-	(3)	10,990	10,990	10,990
6454 Grounds Repair & Maintenance	-	2,013	-	-	-
6599 Other Contracts / Obligations	1,543	435,649	-	-	-
6801 Land	216,917	80,020	526,000	593,100	430,000
6809 Infrastructure Construction	3,799,953	2,441,123	11,221,412	11,456,565	5,276,136
6899 Other Capital Outlay	(3,798,935)	(2,764,548)	-	-	-
Total Expense	\$ 571,398	\$ 482,214	\$ 12,441,669	\$ 13,203,786	\$ 6,099,124

DETAILED SUMMARY OF 2018 PROPOSED EXPENDITURES > \$15,000

2018	To	From	To	Storm-water Utility
Labor Pool				251,998
CEA				10,990
Consulting Services	Construction Services			50,000
	Grant Applications			10,000
	Land Acquisition Services			10,000
	Modeling for Storm Sewer Const Projects			60,000
	Subtotal			130,000
Land Acquisition	Leona Street Pond (Part 2)			200,000
	Spartan Drive Ph 2 (BMP 6-7, Apple Creek Culvert)			80,000
	Alvin Street			100,000
	Wetlands In-Lieu Fees			50,000
	Subtotal			430,000
Miscellaneous Construction	Sump Pump Storm Sewer Program/Backyard Drainage Problems			200,000
	Surface restoration for mini sewer from previous year			85,000
	Surface restoration Linwood storm sewer Northland Pond			300,000
	Storm Laterals, Manholes, Inlets, Mini's Prior to 2018 Asphalt			262,096
	Storm Laterals, Manholes, Inlets, Mini's Prior to 2018 Concrete			37,030
	Flood Reduction Projects			50,000
	Native Landscaping			50,000
	NR151 Water Quality Practices - Reconst			50,000
	Spartan Ave Box Culvert 1 by Lift Station			175,000
	Subtotal			1,209,126
New construction	Alvin St	Evergreen Dr	cds	250,000
	Evergreen Dr	Richmond St (STH 47)	Haymeadow Ave	550,000
	Haymeadow Ave	Bluewater Way	Spartan Ave	71,250
	Spartan Ave	Haymeadow Ave	e/o	67,500
	Spartan Ave	Richmond St	Haymeadow Ave	225,000
	Subtotal			1,163,750
Reconstruction	Ballard Rd	Wisconsin Ave	Fox River	2,010,000
	Subtotal			2,010,000
Reconstruction - (on streets to be paved in 2019)	Center St	North St	Atlantic St	80,775
	Hall St	Woodland Ave	Grant St	66,360
	Roosevelt St	Morrison St	Durkee St	48,100
	Summit St	Spencer St	College Ave	147,625
	Telulah Ave	Calumet St	John St	550,400
	Subtotal			893,260
Total				\$ 6,099,124

Description	2015 Actual	2016 Actual	2017 YTD Actual	2017 Adopted Budget	2017 Amended Budget	2018 Requested Budget	2018 Adopted Budget
REVENUES							
Permits	43,829	47,509	27,570	37,000	37,000	42,025	42,000
Interest Income	117,941	84,919	223,858	200,000	200,000	200,000	200,000
Charges for Services	9,124,634	9,342,501	6,428,433	9,361,845	9,361,845	9,432,370	9,415,000
Intergov. Charges for Service	564	740	152	0	0	0	0
Other Revenues	1,171,063	633,870	322,577	671,720	671,720	372,795	591,990
TOTAL REVENUES	10,458,031	10,109,539	7,002,590	10,270,565	10,270,565	10,047,190	10,248,990
EXPENSES BY LINE ITEM							
Regular Salaries	110,319	113,130	86,297	139,596	144,615	143,186	143,186
Labor Pool Allocations	758,948	778,656	607,413	1,076,388	1,076,388	1,090,352	1,090,352
Call Time	2,765	1,950	1,492	2,400	2,400	2,300	2,300
Overtime	28,624	35,453	20,899	24,577	24,577	24,943	24,943
Temp. Full-Time	2,434	0	0	0	0	0	0
Part-Time	5,754	6,346	10,422	14,257	14,257	14,602	14,602
Other Compensation	23,149	2,900	2,540	3,775	3,775	3,955	3,955
Shift Differential	1,437	1,294	948	1,690	1,690	1,690	1,690
Sick Pay	6,138	47,952	3,921	0	0	0	0
Vacation Pay	96,746	102,561	67,692	0	0	0	0
Fringes	357,503	407,066	294,270	435,249	435,995	486,869	486,869
Pension Expense / Revenue	10,959-	89,464	0	0	0	0	0
Salaries & Fringe Benefits	1,382,858	1,586,772	1,095,894	1,697,932	1,703,697	1,767,897	1,767,897
Training & Conferences	7,746	2,637	3,000	7,500	7,500	7,500	7,500
Parking Permits	645	684	720	720	720	720	720
Office Supplies	296	294	106	250	250	250	250
Memberships & Licenses	16,654	13,100	13,875	15,010	15,010	15,015	15,015
Postage & Freight	20,566	18,264	11,409	22,000	22,000	22,000	22,000
Awards & Recognition	665	665	107	665	665	665	665
Insurance	33,534	39,936	35,254	47,000	47,000	45,830	42,730
Rent	55,210	55,710	55,210	55,210	55,210	55,210	55,210
Depreciation Expense	2,513,011	2,473,941	1,893,870	2,750,000	2,750,000	2,585,160	2,825,000
Uncollectible Accounts	1,651	1,346	830	2,000	2,000	1,400	1,400
Interest Payments	1,656,572	1,641,736	1,207,170	1,643,217	1,643,217	1,752,156	1,722,007
Debt Issuance Costs	127,924	198,317	0	100,000	100,000	100,000	150,000
Gain/Loss on Refund Amort.	41,127	48,550	102,087	61,400	61,400	61,400	147,227
Trans Out - General Fund	12,500	12,500	9,375	12,500	12,500	12,500	12,500
Trans Out - Capital Projects	20,000	0	0	0	0	0	0
Administrative Expense	4,508,101	4,507,680	3,333,013	4,717,472	4,717,472	4,659,806	5,002,224
Landscape Supplies	3,660	10,846	946	3,860	3,860	6,360	6,360
Shop Supplies & Tools	2,988	745	1,870	2,950	2,950	2,250	2,250
Books & Library Materials	0	0	0	100	100	100	100
Miscellaneous Supplies	147	0	90	0	0	0	0
Printing & Reproduction	3,326	2,817	2,131	3,300	3,300	3,300	3,300
Clothing	141	161	113	55	55	150	150
Safety Supplies	630	352	732	100	100	350	350
Construction Materials	61,475	72,049	36,608	78,000	78,000	76,010	71,510
Miscellaneous Equipment	8,310	8,223	7,877	14,650	14,650	9,400	9,400
Supplies & Materials	80,677	95,193	50,367	103,015	103,015	97,920	93,420
Accounting/Audit	9,808	9,654	0	9,900	9,900	9,900	9,900
Legal Fees	240	510	150	400	400	400	400
Bank Services	16,720	16,653	10,498	18,120	18,120	18,120	18,120
Consulting Services	660,734	637,658	363,106	939,760	1,341,792	596,760	490,300
Contractor Fees	107,924	34,405	62,699	100,000	165,181	104,600	48,600
Advertising	0	92	0	0	0	0	0
Tipping Fees	50,307	31,176	42,150	50,000	50,000	50,000	50,000
Other Contracts/Obligations	36,868	563,235	11,222	10,460	10,460	8,500	8,500
Purchased Services	882,601	1,293,383	489,825	1,128,640	1,595,853	788,280	625,820
Electric	288	274	151	306	306	310	310
Water	3,683	1,911	2,351	4,690	4,690	5,000	5,000
Telephone	644	609	574	840	840	840	840

Description	2015 Actual	2016 Actual	2017 YTD Actual	2017 Adopted Budget	2017 Amended Budget	2018 Requested Budget	2018 Adopted Budget
Cellular Telephone	240	240	180	264	264	264	264
Utilities	4,855	3,034	3,256	6,100	6,100	6,414	6,414
Equipment Repair & Maintenance	572	0	1,202	0	0	0	1,100
Facilities Charges	2,339	0	0	2,406	2,406	2,406	2,406
Software Support	9,746	12,994	10,481	15,505	15,505	15,975	5,975
CEA Equipment Rental	444,716	428,080	246,291	468,920	468,920	497,125	497,125
Grounds Repair & Maintenance	782	4,936	2,832	2,000	2,000	2,000	2,000
Repair & Maintenance	458,155	446,010	260,806	488,831	488,831	517,506	508,606
Land	216,917	80,020	0	526,000	593,100	330,000	430,000
Infrastructure Construction	3,799,953	2,441,123	5,917,674	11,221,412	11,456,565	5,376,136	5,276,136
Other Capital Outlay	3,807,826-	2,787,022-	0	0	0	0	0
Capital Expenditures	209,044	265,879-	5,917,674	11,747,412	12,049,665	5,706,136	5,706,136
TOTAL EXPENSES	7,526,291	7,666,193	11,150,835	19,889,402	20,664,633	13,543,959	13,710,517

CITY OF APPLETON 2018 BUDGET
STORMWATER UTILITY
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS

Revenues	2015 Actual	2016 Actual	2017 Budget	2017 Projected	2018 Budget
Charges for Services	\$ 9,123,964	\$ 9,339,293	\$ 9,361,845	\$ 9,371,460	\$ 9,415,000
Miscellaneous	83,464	93,435	74,000	74,000	77,000
Total Revenues	<u>9,207,428</u>	<u>9,432,728</u>	<u>9,435,845</u>	<u>9,445,460</u>	<u>9,492,000</u>
Expenses					
Operating Expenses	3,155,156	3,291,148	2,880,616	3,273,730	3,254,659
Depreciation	2,513,011	2,473,940	2,750,000	2,670,000	2,825,000
Total Expenses	<u>5,668,167</u>	<u>5,765,088</u>	<u>5,630,616</u>	<u>5,943,730</u>	<u>6,079,659</u>
Operating Income (Loss)	3,539,261	3,667,640	3,805,229	3,501,730	3,412,341
Non-Operating Revenues (Expenses)					
Interest Income	117,941	84,919	200,000	200,000	200,000
Interest Expense	(1,656,573)	(1,641,736)	(1,643,217)	(1,640,310)	(1,722,007)
Gain/Loss on Refunding	(41,127)	(48,550)	(61,400)	(136,117)	(147,227)
Amortization of Premium on Debt Issue	123,563	176,209	172,754	405,852	395,435
Debt Expense	(127,924)	(198,317)	(100,000)	(100,000)	(150,000)
Other	-	-	-	-	-
Total Non-Operating	<u>(1,584,120)</u>	<u>(1,627,475)</u>	<u>(1,431,863)</u>	<u>(1,270,575)</u>	<u>(1,423,799)</u>
Income (Loss) Before Contributions and Transfers	1,955,141	2,040,165	2,373,366	2,231,155	1,988,542
Contributions and Transfers In (Out)					
Capital Contributions	509,100	415,683	461,966	600,056	161,555
Transfer In - Wastewater	500,000	-	-	-	-
Transfer Out - Capital Projects	-	-	-	-	-
Transfer Out - General Fund	<u>(32,500)</u>	<u>(12,500)</u>	<u>(12,500)</u>	<u>(12,500)</u>	<u>(12,500)</u>
Change in Net Assets	2,931,741	2,443,348	2,822,832	2,818,711	2,137,597
Total Net Assets - Beginning	<u>63,951,534</u>	<u>* 66,883,275</u>	<u>69,326,623</u>	<u>69,326,623</u>	<u>72,145,334</u>
Total Net Assets - Ending	<u>\$ 66,883,275</u>	<u>\$ 69,326,623</u>	<u>\$ 72,149,455</u>	<u>\$ 72,145,334</u>	<u>\$ 74,282,931</u>

* as restated

SCHEDULE OF CASH FLOWS

Cash - Beginning of the Year	14,009,166	8,574,035
+ Change in Net Assets	2,818,711	2,137,597
+ Depreciation	2,670,000	2,825,000
+ Long Term Debt	5,000,000	4,200,000
- Contributed Capital	(600,056)	(161,555)
- Fixed Assets	(12,703,786)	(5,599,124)
- Principal Repayment	(2,620,000)	(3,235,000)
Working Cash - End of Year	<u>\$ 8,574,035</u>	<u>\$ 8,740,953</u>

The current annual rate of \$155.00 per ERU became effective July 1, 2013.

**CITY OF APPLETON 2018 BUDGET
STORMWATER UTILITY
CALCULATION OF RATE INCREASE DOCUMENTATION**

	2017 Budget	2017 Projected	2018 Budget	2019 Projected	2020 Projected	2021 Projected	2022 Projected
Revenues							
Charges for Services	\$ 9,361,845	\$ 9,371,460	\$ 9,415,000	\$ 10,827,250	\$ 10,881,386	\$ 10,935,793	\$ 10,990,472
Miscellaneous	74,000	74,000	77,000	70,000	70,000	70,000	70,000
Total Revenues	<u>9,435,845</u>	<u>9,445,460</u>	<u>9,492,000</u>	<u>10,897,250</u>	<u>10,951,386</u>	<u>11,005,793</u>	<u>11,060,472</u>
Expenses							
Operating Expenses	2,880,616	3,273,730	3,254,659	3,352,299	3,452,868	3,556,454	3,663,147
Depreciation	2,750,000	2,670,000	2,825,000	2,950,000	3,100,000	3,250,000	3,400,000
Total Expenses	<u>5,630,616</u>	<u>5,943,730</u>	<u>6,079,659</u>	<u>6,302,299</u>	<u>6,552,868</u>	<u>6,806,454</u>	<u>7,063,147</u>
Operating Income	3,805,229	3,501,730	3,412,341	4,594,951	4,398,519	4,199,339	3,997,325
Non-Operating Revenues (Expenses)							
Interest Income	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Interest Expense	(1,643,217)	(1,640,310)	(1,722,007)	(1,783,722)	(1,815,072)	(1,857,286)	(1,810,397)
Gain/Loss on Refunding	(61,400)	(136,117)	(147,227)	(140,016)	(142,690)	(127,533)	(112,756)
Premium on Debt Issue	172,754	405,852	395,435	377,373	348,901	313,161	278,126
Debt Issue Expense	(100,000)	(100,000)	(150,000)	(125,000)	(125,000)	(125,000)	(125,000)
Other	-	-	-	-	-	-	-
Total Non-Operating	<u>(1,431,863)</u>	<u>(1,270,575)</u>	<u>(1,423,799)</u>	<u>(1,823,742)</u>	<u>(1,533,861)</u>	<u>(1,596,658)</u>	<u>(1,570,027)</u>
Net Income Before Transfers	2,373,366	2,231,155	1,988,542	2,771,209	2,864,658	2,602,681	2,427,298
Contributions and Transfers In (Out)							
Capital Contributions	461,966	600,056	161,555	-	-	-	-
Capital Projects	-	-	-	-	-	-	-
General Fund	(32,500)	(12,500)	(12,500)	(12,500)	(12,500)	(12,500)	(12,500)
Change in Net Assets	2,802,832	2,818,711	2,137,597	2,758,709	2,852,158	2,590,181	2,414,798
Total Net Assets - Beginning	<u>69,326,623</u>	<u>69,326,623</u>	<u>72,145,334</u>	<u>74,282,931</u>	<u>77,041,640</u>	<u>79,893,797</u>	<u>82,483,979</u>
Total Net Assets - Ending	<u>\$ 72,129,455</u>	<u>\$ 72,145,334</u>	<u>\$ 74,282,931</u>	<u>\$ 77,041,640</u>	<u>\$ 79,893,797</u>	<u>\$ 82,483,979</u>	<u>\$ 84,898,777</u>

SCHEDULE OF CASH FLOWS

Cash - Beginning of the Year	14,009,166	8,574,035	8,740,953	9,781,459	10,910,007	11,631,398	
+ Change in Net Assets	2,818,711	2,137,597	2,758,709	2,852,158	2,590,181	2,414,798	
+ Depreciation	2,670,000	2,825,000	2,950,000	3,100,000	3,250,000	3,400,000	
+ Long Term Debt	5,000,000	4,200,000	4,000,000	3,700,000	3,700,000	2,900,000	
- Contributed Capital	(600,056)	(161,555)	-	-	-	-	
- Fixed Assets	(12,703,786)	(5,599,124)	(5,353,203)	(4,913,609)	(4,908,791)	(3,884,196)	
- Principal Repayment	(2,620,000)	(3,235,000)	(3,315,000)	(3,610,000)	(3,910,000)	(3,860,000)	
Working Cash - End of Year	<u>\$ 8,574,035</u>	<u>\$ 8,740,953</u>	<u>\$ 9,781,459</u>	<u>\$ 10,910,007</u>	<u>\$ 11,631,398</u>	<u>\$ 12,602,000</u>	
25% Working Capital Reserve (prior year's audited expenses)		1,231,635	1,247,292	1,287,130	1,320,110	1,356,560	
Coverage Ratio		1.44	1.34	1.47	1.44	1.36	1.37

ASSUMPTIONS:

Borrow approximately 75% of capital expenditures as detailed for capital improvements in years 2018-2022
Interest rate at 4% for future debt issues
ERU's to increase at a rate of 1/2% per year after 2018
Operating expenses to increase 3.0% per year after 2018
Maintain a level of 25% working capital reserve and 1.20 coverage ratio as required by bond covenants

RESULTS:

Rate increased 24% effective July 1, 2013 to \$155 per ERU replacing the rate of \$125 per ERU that has been in effect since July 1, 2010. The rate increase that was planned for July 1, 2016 as part of the plan presented to Council on June 15, 2011 was not needed. The next rate increase is planned at 15% on January 1, 2019. Rates will be monitored on an annual basis for adjustment based on actual results or changes in circumstances.

CITY OF APPLETON 2018 BUDGET
STORMWATER UTILITY
LONG TERM DEBT

Year	2008		2009		2012		2013	
	Revenue Bonds		Revenue Bonds		Revenue Bonds		Revenue Bonds	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
2018	\$ 275,000	\$ 2,750	\$ 355,000	\$ 17,950	\$ 1,050,000	\$ 289,540	\$ 265,000	\$ 224,881
2019	-	-	360,000	3,600	1,100,000	248,665	270,000	216,819
2020	-	-	-	-	1,145,000	203,315	280,000	208,494
2021	-	-	-	-	1,190,000	156,165	290,000	197,694
2022	-	-	-	-	880,000	117,865	300,000	185,794
2023	-	-	-	-	740,000	92,415	315,000	173,344
2024	-	-	-	-	495,000	75,728	325,000	160,444
2025	-	-	-	-	255,000	66,086	340,000	146,994
2026	-	-	-	-	260,000	58,065	355,000	132,944
2027	-	-	-	-	270,000	49,773	370,000	118,294
2028	-	-	-	-	280,000	41,170	385,000	101,961
2029	-	-	-	-	285,000	32,053	400,000	84,625
2030	-	-	-	-	295,000	22,547	420,000	66,469
2031	-	-	-	-	305,000	12,716	435,000	47,194
2032	-	-	-	-	315,000	2,559	460,000	26,775
2033	-	-	-	-	-	-	480,000	5,400
2034	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
	<u>\$ 275,000</u>	<u>\$ 2,750</u>	<u>\$ 715,000</u>	<u>\$ 21,550</u>	<u>\$ 8,865,000</u>	<u>\$ 1,468,662</u>	<u>\$ 5,690,000</u>	<u>\$ 2,098,126</u>

Year	2014		2015		2015		2016	
	Revenue Bonds		Revenue Bonds		Refunding Bonds		Revenue Bonds	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
2018	\$ 140,000	\$ 111,250	\$ 160,000	\$ 143,100	\$ 455,000	\$ 166,925	\$ 110,000	\$ 97,150
2019	145,000	108,375	165,000	139,825	470,000	157,600	110,000	94,950
2020	150,000	104,275	170,000	135,175	480,000	144,450	115,000	90,950
2021	155,000	99,663	175,000	129,963	495,000	129,713	120,000	86,200
2022	160,000	94,900	180,000	123,250	510,000	110,700	125,000	81,250
2023	160,000	90,100	185,000	115,900	545,000	89,250	130,000	76,100
2024	170,000	85,075	195,000	108,200	550,000	67,300	135,000	70,750
2025	175,000	78,550	200,000	100,250	580,000	44,400	140,000	65,200
2026	180,000	71,400	210,000	91,950	600,000	20,600	145,000	59,450
2027	190,000	63,900	220,000	83,250	365,000	3,650	150,000	53,500
2028	195,000	56,150	230,000	74,150	-	-	160,000	47,200
2029	205,000	48,050	235,000	64,800	-	-	165,000	40,650
2030	210,000	39,700	245,000	55,100	-	-	170,000	35,175
2031	220,000	31,000	255,000	45,000	-	-	175,000	29,963
2032	230,000	21,900	265,000	34,500	-	-	180,000	24,600
2033	240,000	12,400	280,000	23,450	-	-	185,000	19,088
2034	250,000	2,500	290,000	13,038	-	-	190,000	13,425
2035	-	-	300,000	2,625	-	-	195,000	7,613
2036	-	-	-	-	-	-	205,000	1,538
	<u>\$ 3,175,000</u>	<u>\$ 1,119,188</u>	<u>\$ 3,960,000</u>	<u>\$ 1,483,526</u>	<u>\$ 5,050,000</u>	<u>\$ 934,588</u>	<u>\$ 2,905,000</u>	<u>\$ 994,752</u>

Year	2016		2017		TOTAL		Total
	Refunding Bonds		Revenue Bonds		Principal	Interest	
	Principal	Interest	Principal	Interest			
2018	\$ 425,000	\$ 452,425	\$ -	\$ 174,036	\$ 3,235,000	\$ 1,680,007	\$ 4,915,007
2019	695,000	439,875	-	166,013	3,315,000	1,575,722	4,890,722
2020	1,055,000	404,750	50,000	165,263	3,445,000	1,456,672	4,901,672
2021	965,000	365,250	185,000	162,238	3,575,000	1,326,886	4,901,886
2022	1,005,000	325,450	210,000	156,588	3,370,000	1,195,797	4,565,797
2023	1,050,000	283,900	215,000	150,175	3,340,000	1,071,184	4,411,184
2024	1,090,000	240,700	225,000	143,500	3,185,000	951,697	4,136,697
2025	1,130,000	195,900	230,000	136,638	3,050,000	834,018	3,884,018
2026	1,180,000	149,200	235,000	127,863	3,165,000	711,472	3,876,472
2027	1,230,000	100,500	245,000	118,163	3,040,000	591,030	3,631,030
2028	1,280,000	49,800	255,000	108,063	2,785,000	478,494	3,263,494
2029	925,000	9,250	270,000	97,413	2,485,000	376,841	2,861,841
2030	-	-	280,000	86,313	1,620,000	305,304	1,925,304
2031	-	-	290,000	74,813	1,680,000	240,686	1,920,686
2032	-	-	300,000	65,163	1,750,000	175,497	1,925,497
2033	-	-	310,000	55,938	1,495,000	116,276	1,611,276
2034	-	-	320,000	46,413	1,050,000	75,376	1,125,376
2035	-	-	330,000	36,278	825,000	46,516	871,516
2036	-	-	340,000	19,963	545,000	21,501	566,501
2037	-	-	350,000	11,619	350,000	11,619	361,619
2038	-	-	360,000	2,925	360,000	2,925	362,925
	<u>\$ 12,030,000</u>	<u>\$ 3,017,000</u>	<u>\$ 5,000,000</u>	<u>\$ 2,105,378</u>	<u>\$ 47,665,000</u>	<u>\$ 13,245,520</u>	<u>\$ 60,910,520</u>

Note: Schedule is based on accrual method of accounting. Revenue bonds in amount of \$4,200,000 will be issued in 2018. Expected interest expense of the issue in 2018 is \$42,000 at 4%.