

City of Pewaukee  
Storm Water Utility Program Budget

TABLE 5-1 STORM WATER UTILITY CASH FLOW ANALYSIS				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	10-year Total	10-Year (11-20)	
Category				Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Annual Cost	Average Annual Cost	
<b>REVENUE</b>																
Billing Units (ERUs based on ERU value of 5,339)	ERUs =	11,442	Growth Factor :	0.5%	11,442	11,499	11,557	11,614	11,673	11,731	11,790	11,849	11,908	11,967		
Credits					350	352	354	355	357	359	361	362	364	366		
Available Billing Units (after Credits)	Monthly ERU Rate		\$	10.00	11,092	11,147	11,203	11,259	11,316	11,372	11,429	11,486	11,544	11,601		
Annual EC Stormwater Fee (\$/ERU)	Annual inflationary increase multiplier:			0%	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00		
Stormwater Utility Revenue					\$1,331,040	\$1,337,695	\$1,344,384	\$1,351,106	\$1,357,861	\$1,364,650	\$1,371,474	\$1,378,331	\$1,385,223	\$1,392,149		
<b>EXPENSES</b>																
<b>Administration</b>																
<b>Wages</b>																
	% of total \$ to SW Utility															
Accounting (\$35K)	15				\$5,250	\$5,250	\$5,350	\$5,460	\$5,570	\$5,680	\$5,790	\$5,900	\$6,010	\$6,120	\$56,380	\$5,638
Engineering Technician (\$34K)	50				\$17,000	\$17,000	\$17,340	\$17,680	\$18,040	\$18,400	\$18,740	\$19,080	\$19,420	\$19,760	\$182,460	\$18,246
Clerk (\$40K)	15				\$6,000	\$6,000	\$6,120	\$6,240	\$6,360	\$6,490	\$6,610	\$6,730	\$6,850	\$6,970	\$64,370	\$6,437
Assitant Clerk (\$35K)	15				\$5,250	\$5,250	\$4,340	\$4,420	\$4,510	\$4,600	\$4,690	\$4,780	\$4,870	\$4,960	\$47,670	\$4,767
New Utility Clerk (Part time) (\$11K)	75				\$8,250	\$8,250	\$8,400	\$8,580	\$8,750	\$8,930	\$9,120	\$9,320	\$9,530	\$9,750	\$88,880	\$8,888
Director of Public Works (\$93K)	10				\$9,300	\$9,300	\$9,490	\$9,680	\$9,870	\$10,060	\$10,150	\$10,240	\$10,330	\$10,420	\$98,840	\$9,884
Assistant City Engineer (\$60K)	25				\$15,000	\$15,000	\$15,300	\$15,600	\$15,920	\$16,240	\$16,560	\$16,880	\$17,200	\$17,520	\$161,220	\$16,122
New Engineer (\$46K)	80				\$36,800	\$36,800	\$37,500	\$38,300	\$39,050	\$39,840	\$39,930	\$40,020	\$40,110	\$40,200	\$388,550	\$38,855
Highway Superintendent (\$60K)	10				\$6,000	\$6,000	\$6,120	\$6,240	\$6,370	\$6,490	\$6,610	\$6,730	\$6,850	\$6,970	\$64,380	\$6,438
Highway Personnel (\$303K)	33				\$100,000	\$100,000	\$102,000	\$104,040	\$106,120	\$108,240	\$110,360	\$112,480	\$114,600	\$116,720	\$1,074,560	\$107,456
Highway Promotions (2) (\$8.4K)	50				\$4,200	\$4,200	\$4,280	\$4,380	\$4,450	\$4,540	\$4,630	\$4,720	\$4,810	\$4,900	\$45,110	\$4,511
New Highway Position (\$45K)	30				\$22,500	\$22,500	\$23,000	\$23,500	\$24,000	\$24,500	\$25,000	\$25,500	\$26,000	\$26,500	\$243,000	\$24,300
2nd New Highway Position (\$45K)	30				\$11,000	\$11,000	\$22,500	\$23,000	\$23,500	\$24,000	\$24,500	\$25,000	\$25,500	\$26,000	\$216,000	\$21,600
New Summer Highway Position (\$9.6K)	75				\$7,200	\$7,200	\$7,300	\$7,500	\$7,600	\$7,800	\$8,000	\$8,200	\$8,400	\$8,600	\$77,800	\$7,780
<b>Benefits</b>																
Social Security					\$32,000	\$32,000	\$32,640	\$33,290	\$33,960	\$34,640	\$35,300	\$36,030	\$36,740	\$37,460	\$344,060	\$34,406
Health Insurance					\$44,200	\$44,200	\$45,090	\$45,990	\$46,910	\$47,850	\$48,810	\$49,790	\$50,790	\$51,990	\$475,620	\$47,562
Dental Insurance					\$4,000	\$4,000	\$4,080	\$4,160	\$4,250	\$4,330	\$4,410	\$4,490	\$4,570	\$4,650	\$42,940	\$4,294
Optical Insurance					\$1,000	\$1,000	\$1,020	\$1,040	\$1,060	\$1,080	\$1,100	\$1,120	\$1,140	\$1,160	\$10,720	\$1,072
Life Insurance					\$1,250	\$1,250	\$1,275	\$1,300	\$1,330	\$1,360	\$1,390	\$1,420	\$1,450	\$1,480	\$13,505	\$1,351
Disability Insurance					\$3,000	\$3,000	\$3,060	\$3,120	\$3,180	\$3,250	\$3,320	\$3,390	\$3,460	\$3,530	\$32,310	\$3,231
Pension					\$46,000	\$46,000	\$46,920	\$47,860	\$48,820	\$49,790	\$50,770	\$51,760	\$52,790	\$53,770	\$494,480	\$49,448
<b>Other</b>																
Outside Engineering					\$100,000	\$100,000	\$75,000	\$75,000	\$75,000	\$75,000					\$500,000	\$50,000
Legal Consultation					\$5,000	\$5,000	\$5,000	\$4,000	\$3,000	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$38,000	\$3,800
Uniforms & Protective Equipment					\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,700	\$1,800	\$1,900	\$2,000	\$16,400	\$1,640
Operating Supplies					\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,100	\$5,200	\$5,300	\$5,400	\$51,000	\$5,100
Training & Seminars					\$4,000	\$4,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,100	\$2,200	\$2,300	\$2,400	\$25,000	\$2,500
Postage					\$3,000	\$3,000	\$3,200	\$3,400	\$3,600	\$3,600	\$3,700	\$3,800	\$3,900	\$4,000	\$35,200	\$3,520
Meetings & Conventions					\$600	\$600	\$600	\$600	\$600	\$600	\$630	\$660	\$690	\$720	\$6,300	\$630
Mileage					\$350	\$350	\$300	\$300	\$300	\$350	\$375	\$400	\$425	\$450	\$3,600	\$360
Dues, Memberships, & Subscriptions					\$500	\$500	\$500	\$500	\$550	\$550	\$575	\$600	\$625	\$650	\$5,550	\$555
Cell Phones/Pagers	33				\$1,400	\$1,400	\$1,450	\$1,500	\$1,550	\$1,600	\$1,650	\$1,700	\$1,750	\$1,800	\$15,800	\$1,580
<b>Subtotal</b>					\$506,550	\$506,550	\$497,675	\$505,180	\$512,720	\$521,310	\$454,720	\$463,140	\$471,610	\$480,250	\$4,919,705	\$491,971
<b>Operation and Maintenance</b>																
Storm Sewer Maintenance					\$40,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$355,000	\$35,500
Catch Basin Cleaning & Maintenance					\$15,000	\$10,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	\$81,000	\$8,100
Street Sweeping					\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500	\$75,000	\$7,500
Curb and Gutter Repair					\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$100,000	\$10,000
Road Repair (for culvert repair)					\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$160,000	\$16,000
Ditch Maintenance					\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$120,000	\$12,000
Brush Removal					\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$60,000	\$6,000
Culvert Replacement					\$36,000	\$36,000	\$36,000	\$36,000	\$36,000	\$36,000	\$36,000	\$36,000	\$36,000	\$36,000	\$360,000	\$36,000
Televising					\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$40,000	\$4,000
Easement Acquisition					\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$60,000	\$6,000
Public Works Yard Maintenance					\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$25,000	\$2,500
GIS Maintenance & Updates					\$300	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$4,800	\$480
Computer/Program Maintenance					\$500	\$500	\$1,000	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$5,500	\$550
Vehicle Maintenance (\$65K)	33				\$21,500	\$21,500	\$21,500	\$21,500	\$21,500	\$21,500	\$21,500	\$21,500	\$21,500	\$21,500	\$215,000	\$21,500
<b>Subtotal</b>					\$177,300	\$167,500	\$165,000	\$164,500	\$164,500	\$164,500	\$164,500	\$164,500	\$164,500	\$164,500	\$1,661,300	\$166,130

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TABLE 5-1 STORM WATER UTILITY CASH FLOW ANALYSIS						2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	10-year Total	10-Year (11-20)	
Category						Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Annual Cost	Average	
						1	2	3	4	5	6	7	8	9	10		Annual Cost	
<b>NR 216 Permit Required Stormwater Management</b>																		
Pond Inspections/Field Inventory						\$5,000	\$10,000	\$10,000	\$5,000	\$4,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$49,000	\$4,900	
Illicit Discharge Inspections						\$1,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$24,000	\$2,400	
Erosion Control Inspections						\$1,500	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$28,500	\$2,850	
Storm Sewer As-builts & Mapping						\$25,000	\$30,000	\$10,000	\$7,500	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$102,500	\$10,250	
Municipal Yard Storm Water Pollution Prevention Plan						\$3,500	\$1,000	\$1,000	\$1,100	\$1,200	\$1,300	\$1,400	\$1,500	\$1,600	\$1,700	\$15,300	\$1,530	
Information & Education - County Fee						\$2,500	\$2,600	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$29,500	\$2,950	
Information & Education						\$500	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$9,500	\$950	
Incentive Program for Resident Participation						\$0	\$1,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$17,000	\$1,700	
Donations to Environmental Groups who Aid in Permit Compliance						\$2,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$56,000	\$5,600	
Permit Fees						\$1,000	\$1,500	\$1,500	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$11,000	\$1,100	
Annual Report						\$600	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$7,800	\$780	
<b>Subtotal</b>						<b>\$43,100</b>	<b>\$59,400</b>	<b>\$40,500</b>	<b>\$32,700</b>	<b>\$29,400</b>	<b>\$28,600</b>	<b>\$28,800</b>	<b>\$29,000</b>	<b>\$29,200</b>	<b>\$29,400</b>	<b>\$350,100</b>	<b>\$35,010</b>	
<b>Capital - Equipment</b>																		
Cruz Air	40					\$0	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$25,000	
Street Sweeper	100					\$230,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$230,000	\$23,000	
Dump Truck (\$60-65K)	25					\$0	\$15,000	\$16,250	\$0	\$0	\$16,250	\$0	\$0	\$0	\$0	\$47,500	\$4,750	
Skidsteer (\$40K)	25					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$1,000	
Loader (\$80K) (\$150K new)	25					\$20,000	\$0	\$0	\$0	\$0	\$0	\$37,500	\$0	\$0	\$0	\$57,500	\$5,750	
Field Truck (\$30K) (2)	25					\$0	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$1,500	
Back Hoe (\$45K)	25					\$0	\$0	\$11,250	\$0	\$0	\$0	\$12,000	\$0	\$0	\$0	\$23,250	\$2,325	
Bucket Truck (\$95K)	25					\$0	\$23,750	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$0	\$123,750	\$12,375	
Chipper (\$40K)	50					\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$2,000	
Boom Mower (\$55K)	25					\$0	\$0	\$0	\$0	\$13,750	\$0	\$0	\$0	\$0	\$0	\$13,750	\$1,375	
Highway Mower (\$55K)	25					\$0	\$0	\$0	\$0	\$0	\$13,750	\$0	\$0	\$0	\$0	\$13,750	\$1,375	
Broom (\$10K)	25					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	\$0	\$2,500	\$250	
GPS Units	50					\$15,000	\$15,000	\$1,000	\$1,000	\$1,000	\$1,000	\$15,000	\$15,000	\$1,200	\$1,200	\$66,400	\$6,640	
Desk Computer	80					\$4,000	\$0	\$0	\$4,000	\$0	\$0	\$4,000	\$0	\$0	\$4,000	\$16,000	\$1,600	
Field Laptop Computer	100					\$2,500	\$2,500	\$0	\$0	\$3,000	\$0	\$0	\$3,000	\$0	\$0	\$11,000	\$1,100	
Computer Software	100					\$10,000	\$1,000	\$1,000	\$1,000	\$11,000	\$1,000	\$1,100	\$1,100	\$12,000	\$1,200	\$40,400	\$4,040	
Storage Building	50					\$0	\$5,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$105,000	\$10,500	
Containment Areas (salt, street sweepings, stockpiles)	50					\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$7,500	
<b>Subtotal</b>						<b>\$281,500</b>	<b>\$319,750</b>	<b>\$212,000</b>	<b>\$26,000</b>	<b>\$28,750</b>	<b>\$18,250</b>	<b>\$83,350</b>	<b>\$19,100</b>	<b>\$115,700</b>	<b>\$16,400</b>	<b>\$1,120,800</b>	<b>\$112,080</b>	
<b>Capital - Projects</b>																		
		Rate	Term (yrs)	Start Year	Total													
Comprehensive SWMP		5%	10	2011	\$180,000	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$233,108	\$23,311	
Flooding Mitigation		5%	10	2013	\$800,000	\$0	\$0	\$103,604	\$103,604	\$103,604	\$103,604	\$103,604	\$103,604	\$103,604	\$103,604	\$103,604	\$828,829	\$82,883
TMDL Reduction Projects		5%	10	2015	\$370,000	\$0	\$0	\$0	\$0	\$47,917	\$47,917	\$47,917	\$47,917	\$47,917	\$47,917	\$287,500	\$28,750	
Springdale Estates Pond (RNP-4)		5%	10	2011	\$1,020,000	\$132,095	\$132,095	\$132,095	\$132,095	\$132,095	\$132,095	\$132,095	\$132,095	\$132,095	\$132,095	\$1,320,947	\$132,095	
New Pond (RNP-2)		5%	10	2014	\$430,000	\$0	\$0	\$0	\$55,687	\$55,687	\$55,687	\$55,687	\$55,687	\$55,687	\$55,687	\$389,809	\$38,981	
Retrofit Pond (P24-2)		5%	10	2011	\$180,000	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$23,311	\$233,108	\$23,311	
Enhance Ponds (P15-1 & P15-3)		5%	10	2017	\$110,000	\$0	\$0	\$0	\$0	\$0	\$0	\$14,246	\$14,246	\$14,246	\$14,246	\$56,982	\$5,698	
Lexington Drive Pond (Waukesha?)**		5%	10	2014	\$625,000	\$0	\$0	\$0	\$80,940	\$80,940	\$80,940	\$80,940	\$80,940	\$80,940	\$80,940	\$566,583	\$56,658	
Woodside Road Ditch Enclosure*		5%	10	2017	\$460,000	\$0	\$0	\$0	\$0	\$0	\$0	\$59,572	\$59,572	\$59,572	\$59,572	\$238,288	\$23,829	
Lexington Drive Ditch Enclosure**		5%	10	2014	\$610,000	\$0	\$0	\$0	\$78,998	\$78,998	\$78,998	\$78,998	\$78,998	\$78,998	\$78,998	\$552,985	\$55,298	
Springdale Road Ditch Enclosure		5%	10	2011	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Hill n Dale Flood Control		5%	10	2011	\$110,000	\$14,246	\$14,246	\$14,246	\$14,246	\$14,246	\$14,246	\$14,246	\$14,246	\$14,246	\$14,246	\$142,455	\$14,246	
Meadowbrook Farms Flood Control		5%	10	2011	\$150,000	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$194,257	\$19,426	
Lindsay Road Curb/Ditch Improvement		5%	10	2015	\$60,000	\$0	\$0	\$0	\$0	\$7,770	\$7,770	\$7,770	\$7,770	\$7,770	\$7,770	\$46,622	\$4,662	
Hillside Grove Storm Sewer		5%	10	2016	\$170,000	\$0	\$0	\$0	\$0	\$0	\$22,016	\$22,016	\$22,016	\$22,016	\$22,016	\$110,079	\$11,008	
Oak Street/Peninsula Drive Road Raising		5%	10	2022	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Public Works Yard Bio-Infiltration Swale		5%	10	2013	\$60,000	\$0	\$0	\$7,770	\$7,770	\$7,770	\$7,770	\$7,770	\$7,770	\$7,770	\$7,770	\$62,162	\$6,216	
Wagner Park Ponds		5%	10	2019	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,426	\$19,426	\$38,851	\$3,885	
South Park Drainage		5%	10	2019	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,426	\$19,426	\$38,851	\$3,885	
Emerald Acres (new culvert under RR)		5%	10	2013	\$150,000	\$0	\$0	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$19,426	\$155,405	\$15,541	
New Pond (RNP-5)* - Water Quality Alternate Project		5%	10	TBD	\$370,000													
Enhance Pond (P20-1) - Water Quality Alternate Project		5%	10	TBD	\$85,000													
Enhance Gun Club Pond (P14-5) - Water Quality Alternate Project		5%	10	TBD	\$775,000													
New Pond (P25-1 Northbound Termini) - Water Quality Alternate Project		5%	10	TBD	\$780,000													
<b>Subtotal</b>						<b>\$212,388</b>	<b>\$212,388</b>	<b>\$343,187</b>	<b>\$558,812</b>	<b>\$614,499</b>	<b>\$636,515</b>	<b>\$710,333</b>	<b>\$710,333</b>	<b>\$749,184</b>	<b>\$749,184</b>	<b>\$5,496,822</b>	<b>\$549,682</b>	
<b>Annual Totals</b>						<b>\$1,220,838</b>	<b>\$1,265,588</b>	<b>\$1,258,362</b>	<b>\$1,287,192</b>	<b>\$1,349,869</b>	<b>\$1,369,175</b>	<b>\$1,441,703</b>	<b>\$1,386,073</b>	<b>\$1,530,194</b>	<b>\$1,439,734</b>	<b>\$13,548,727</b>	<b>\$1,354,873</b>	
<b>End of Year Balance</b>						<b>\$111,202</b>	<b>\$185,422</b>	<b>\$274,298</b>	<b>\$341,954</b>	<b>\$354,366</b>	<b>\$354,385</b>	<b>\$288,700</b>	<b>\$284,845</b>	<b>\$143,722</b>	<b>\$98,575</b>			

Notes:  
 (1) \* Woodside Drive Ditch Enclosure & Pond RNP-5 should be simultaneous projects.  
 (2) \*\* Lexington Drive Ditch Enclosure & Pond should be simultaneous projects.  
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