Town of Millbury Sewer Commission Meeting MAY 26 PM 12: 20 January 13, 2015

Meeting called to order at 5:00 PM

Present:

Members Gary Nelson, Happy Erickson,

DPW Director Rob McNeil, Secretary Cindy Allard

Minutes:

none

Invoices:

Signed, total amount \$13,977.86

Abatements: none

Betterments: follow up on 32 Grafton St, a check for a previous betterment was

negative. Commission discussed and agreed that Mr. Windle is responsible

for the \$7,500.00 betterment for 32 Grafton St.

Electronic Records: most of the items scanned and in file, easier to access records when

needed

Flow Data:

Brief discussion on the flow (see attached)

Rte 146 Project: advertising late February, likely underway calendar 2015.

Finances:

FY15 budget – updated (see attached)

FY16 proposed budget is attached

UBWPAD budget will not be finalized until end of January

Rules and Regulations: not ready yet

UBWPAD budget: Rob will have copies next meeting

Pump Stations: estimate cost not yet received, bids will be advertised in April

Sewer Connection Permits:

15 Autumn Gate (lot 12)—Gallo—approved

New Commissioner: Lisa Allain will be appointed by Board of Selectman at their

meeting tonight.

Regular meeting: 1/27/15

Meeting Adjourned at 5:44 pm

Town of Millbury

	budget matched thru					
550,764.85	54.54%	797,789.87	1,462,779.00	rision	Total DPW - Sewer Division	otal DPW
50,000.00	0.00%	0.00	50,000.00	Capital Expense	5900	440
11,397.06	54.41%	13,602.94	25,000.00	Capital Outlay	5800	440
1,960.00	28.73%	790.00	2,750.00	Other Charges & Expenses	5700	440
214,437.00	74.08%	612,975.00	827,412.00	Intergovernmental (UBWPAD)	5600	440
21,619.04	43.11%	16,380.96	38,000.00	Supplies	5400	440
112,648.03	57.76%	154,040.97	266,689.00	Purchase of Services	5200	440
138,703.72	45.16%	114,224.28	252,928.00	Personnel Services	5100	440
Balance	Expended %	Expended \$	Budget	Decription	Account	Dept.
				Department of Public Works (FY 2015) Sewer Division	ent of Publy vision	Department of Sewer Division



DEPARTMENT OF PUBLIC WORKS Town of Millbury

2014 Annual/Monthly Flow Report Sewer Division

127 Elm Street · MILLBURY, MA 01527-0632 Tel. 508-865-9143 · Fax: 508-865-0843 ROBERT D. McNEIL III, P.E., Director MUNICIPAL OFFICE BUILDING rmcneil@townofmillbury.net

Annual Rainfall (in) = 2nd Qtr. Totals = Year Totals = 1st Qtr. Totals = 4th Qtr. Totals = December November 3rd Qtr. Totals = September October August February July June May March January April Month 418.860 100.316 42.083 29.569 28.664 84.261 27.993 29.608 26.660 31.726 50.773 124.354 41.855 Total Flow 109.929 43.242 29.310 37.377 (MG) 42.98 5.29 4.63 4.78 0.89 3.05 3.59 1.85 Rainfall 2.02 4.61 3.90 5.25 $\widehat{\Xi}$ Sutton Flow 55.203 13.481 5.634 4.002 3.845 3.686 11.713 3.943 4.084 15.451 4.309 5.343 5.799 14.558 5.629 4.028 4.901 (MG) 36.449 86.835 25.567 24.819 24.050 Millbury Flow 72.548 22.974 108.903 25.524 27.417 36.512 44.974 37.613 95.371 32.476 25.282 <u>S</u> REVISED BY: REVISED: Sutton % of Total Flow 13.44% 13.53% 13.41% 13.39% 13.90% 13.83% 13.79% January 6, 2015 14.09% 12.43% 13.58% 12.77% 11.42% 13.24% 13.02% 13.74% R. McNeil 13.11%

Total Flow data is measured at the Millbury Sewer Plant's Parshall Flume meter.

13.18%

Note: Flow data generated from actual calibrated meter readings at the Millbury and Sutton Sewer Facilities.

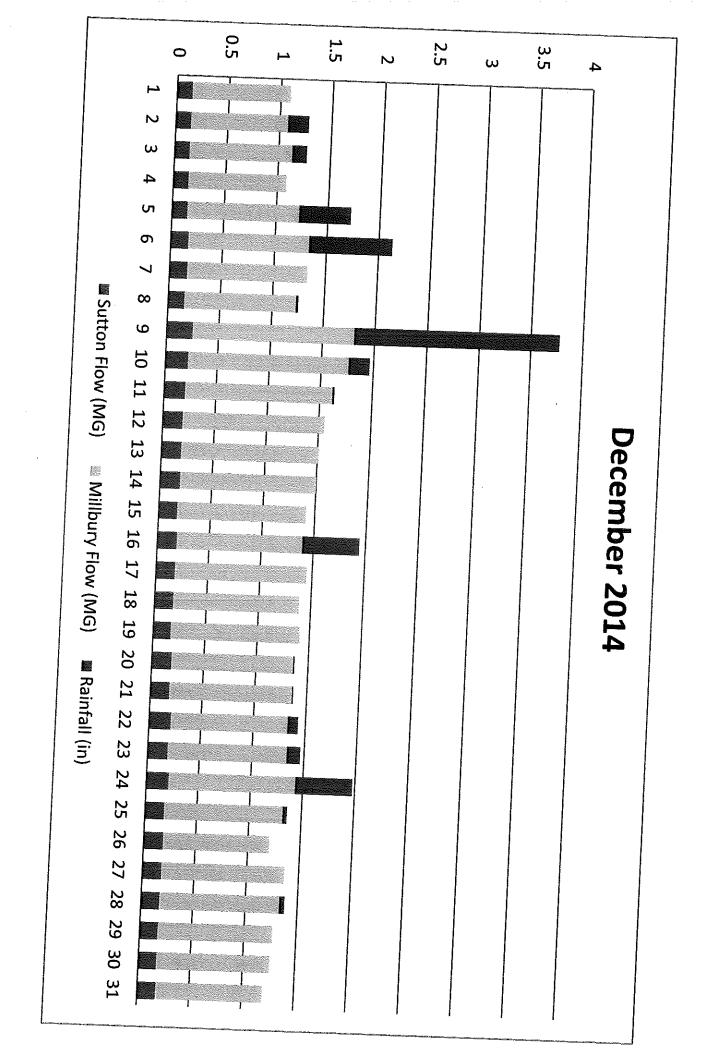
Sutton Flow data is generated from actual calibrated meter readings from the Sutton Pump Station taken at the Millbury Sewer Plant.

Note: All data readings taken by staff at 7:00 AM daily

		viie	th MA 00:7 16 1	ngs taken by staf	il data readi	H .5101
0		7 78	Cio	4-710		: MO7
۷6'۱	8	5 759	2.1 L	210	0.5	изін По і
171.0	0 067	' τ ε 941	1 1	858 0.13	£"T. = .	VlieQ
62.2		Т с			186	S19VA
ucµea)	(i) (i)	UVV.		9'S E80	'ZÞ = !	etoT
noitation	emp. Prec	, , , , , , , , , , , , , , , , , , , ,	, ,,,,	W) (5V	V)	7
0	Zī	.023 T Wolf Yiu			stoT v	60
0	57			C i		3
0	30	₩.084	. V L i	0.10	-	3
20.0	97	001'1 1'120		V		
0	35		-L.	400		
0	34	1.181	401	* J U :		
40.0	85	1.018	LOI	300	97	
SS.0	01⁄2	1.138	481.	1.322 0		
£1.0	68	1,213	712.0	CVL	74	
1.0	32	7,142	£61.(~∪∪		
10.0	35	1.121	12.0	1001	77	
10.0	30	921'1	881.0	1.359	17	
0	98	1,168	0.19	1.358	70	
0	75	1,239	71.0	604,1	61	
0	040	702.£	181.0	1,388	18	
SS.0	35	1,265	281.0	St'ī	۲ <u>ت</u>	
0	87	1,205	681.0	1,394	91	
0	34	1.237	81.0	714.1	SI	
0	35	1.308	261.0	1,503	ÞĪ.	
0	35	1.324	291.0	1.516	13	
20.0	35	1.362	461.0	1.556	77	
2.0	6E	1.415	402.0	1.619	II	
76.1	35	1.545	612.0	1.764	10	
20.0	70	755'T	0.251	J.805	6	
0	32	1.072	721.0	1,229	8	
8.0	38	\$\$T'T	271.0	7.52.1	٥ د	
2.0	52	191.1	71.0	1.331	9	
0	18	970.£	741.0	1.223	S	
\$1.0	75	146.0	241.0	380.£	⊅ b	
2.0	7E	886.0	£41.0	1.131	8	
0	0S	₽ 86.0	441.0	870.1	7	
(səqɔui)	(°F)	746.0	741.0	\$60.I	T	
Precipitatio	.dm9T	(We)	(MG)	(MG)	T	
		Millbury Flow	Sutton Flow	Total Flow	Day	
			·- 	/7CT0.\/		

Annual/Monthly Sewer Flow Data Report December 2014

Millbury Sewer Pump Station 131 Providence Street Millbury, MA 01527



unco	and	**Note: Duri	Millbury Flow data calculated by subtracting Sutton Flow data from Total Flow data	Sutton Flow data is generated from actual calibrated meter readings from the Sutton Pump Station taken	lotal Flow data is measured at the Millbury Sewer Plant's Parshall Flume meter.	Note: Flow data generated from actual calibrated meter readings at the Millbury and Sutton Sewer Facility			AVG	2017	2012	2013	2010	2009	8002	2007	2006	2005			Calendar Year		Aminal Flow Data	Analysis	טפשפו טועוטוטוו	Sewer Division	100 ATEN 100	57		UBURY ALL
rrelated and were	asked Sutton to im-	ng an inspection of	alculated by subtr	enerated from ac	easured at the Mil	erated from actua			109.929	122.521	113.849	130.173	150.247	124.604	153.656	111.628	132.545	136.613	(1010)	(MG)	Jan/Feb/Mar									
corrected when ca	ediately provide u	the Sutton Pump	acting Sutton Flo	tual calibrated m	lbury Sewer Plan	calibrated mete		121	124.354	125.417	104.572	126.734	118.847	108.645	110.193	140.704	125.685	125.930	(INIG)	(MG)	Apr/May/lup								DEPAR	
alibrated on 2/1/	pdated calibratio	Station in fall of	w data from Tot	eter readings fro	t's Parshall Flum	r readings at the		99	84.261	93.724	89.129	123.338	118.421	118.421	98.651	82.716	92.669	85.949	(IVIG)	(NC)	/ A / C	Low Flow		rmcne	ROBERT I	Tel. 508-86	127 Elm Street	MUNICI	DEPARTMENT OF PUBLIC	To
2013. This results	n reports This m	2012 Millhury Day	al Flow data.	m the Sutton Pu	e meter.	Millbury and Su		113	100.316	89.603	99.151	146.661	105.929	113.992	127.511	84.997	108.750	156.882	(MG)	Oct/Nov/Dec				rmcneil@townofmillbury.net	ROBERT D. McNEIL III, P.E., Director	Tel. 508-865-9143 · Fax: 508-865-0843	127 Elm Street · MILLBURY, MA 01527-0632	MUNICIPAL OFFICE BUILDING	I OF PL	Town of Millbury
og merer di	M discovered	N discourage	0.00	mn Station		tton Sewer		55	42.98	49.29	44.17	69.90	62.21	53.37	64.83	47.07	52.88	64.25	(in.)	Rainfall	Annual			ry.net	.E., Director)8-865-0843	MA 01527-(UILDING	BLIC	ury
the associated char	the mag meter calib	-	ימאכוו מר נווב ואוווות		dellaco.	Facilities		462	418.860	430.265	406.701	526.906	493 444	465 662	490 011	420.045	459 649	505 374		Total Flow (MG)			REVISED BY:	REVISED:)632		WORKS	
uncorrelated and were corrected when calibrated on 2/1/2013. This resulted in an estimated 40% in an estim	pration tag was vintage 20	**Note: During an inspection of the Sutton Pump Station in fall of 2012 Millhury DDW discoursed the	at the milibury sewer Plant.	Property Plant				9.79%	13.18%	12 65%	9.26%	8 73%	2,CT.2	0.10%	9.01%	0.20%	0.50%	8 5697	Total Flow **	Calculated Sutton % of				January 6, 2015						

Elected and Administrative Employees

TOWN OF MILLBURY PERSONNEL SERVICES

Fiscal Year: 2016

Department: 440

Ĭ						
	\$	\$	\$ 1,572,146	\$ 1,462,779	\$ 1,453,429	TOTALS
	69	\$	\$ 50,000	\$ 50,000	\$ 50,000	Capital Expense
	⇔	⇔	\$ 70,000	\$ 25,000	\$ 106,481	Capital Outlay
	\$	€9	\$ 4,000	\$ 2,750	\$ 1,977	Other Charges and Expenses
	⇔	59	\$ 873,061	\$ 827,412	\$ 783,062	Intergovernmental Charges
	<i>\$</i>	\$	\$ 38,000	\$ 38,000	\$ 37,976	Supplies
	<i>\$</i>	59 1	\$ 282,189	\$ 266,689	\$ 262,289	Purchase of Services
e e			\$ 6,600 \$ 36,950 \$ 8,864 \$ 254,896	\$ 6,600 \$ 36,950 \$ 8,864 \$ 252,928	\$ 4,400 \$ 24,306 \$ 1,952 \$ 211,644	Overtime Fringe Benefits Total Salaries and Wages
			16	-	\$ 3,738 \$ - \$ 177,248	Elected Administrative Salaries Other Salaries and Wages
		(5100
Notes & Comments	FY16	FY16 Manager	FY16 Request	FY15 Budget Approp	FY14 Actual	Account

Department Head

Date:

APPROVAL:

TOWN OF MILLBURY PERSONNEL SERVICES

	_					
	FY1	5 Budget	FY16		FY16	Notes &
Category Description	Description/Expense	Approp	Request	FY16 Manager	Finance	Comments
Full Time Employees						
James Piscatelli		59,154.00	59,745.54			assume 1%
Frank Stachura		50,071.00	50,571.71			assume 1%
Eric LeClaire		49,403.00	49,897.03			assume 1%
Cyndi Allard		38,148.00	38,529.48			assume 1%
Subtotal		196.776.00	198 743 76			
Part Time Employees (include Seasonal			27.03		1	
Employees)						
1 part time employee for 12	oyee for 12					
	per hour	6,600.00	6,600.00			
Subtotal		6,600.00	6.600.00	r:		
Overtime			, ,			
ON CALL	•	10,950.00	10,950.00			contract
weekend Monitoring	oring					
/Emergencies		26,000.00	26,000.00		ï	
Subtotal		36,950.00	36 950 00	<u> </u>		
			20,000.00		i	

TOWN OF MILLBURY PERSONNEL SERVICES

				CELE A MOLECU		
		FY15 Budget	FY16		EV16	
Category	Description/Expense	Approp	Request	FY16 Manager	Finance	Victor &
Purchase of	Purchase of Service/Contractual Service					TYOKS & COMMENTS
	Electricity	100,000.00	100,000,00			
	Heating	9,000.00	9,000.00			
	Telephone / Alarms	12,000.00	12,000.00			
	Water from Aquarion	4,500.00	5,000.00			
	Outside Maintenance	16,000.00	16,000.00		. 1	
	Pumps, Motors & Valves	15,000.00	15,000.00		1	
	Rental Equipment	5,000.00	5,000.00		ı.	
	Professional & Consulting	20,000.00	35,000.00		1	Sewer GEM Model
	Existing Loans (Admin Fees)	34,059.00	34,059.00			C C C C C C C C C C C C C C C C C C C
	New Loan	1	Ĩ		•	
	Advertising	100.00	100.00		í	
	Aquarion Kecords	1,030.00	1,030.00		í	
		20,000.00	20,000.00		ı	
	Sewer Billing (COMPOTIL)	20,000.00	1		1	not currently pursuing
	Sewer Rules & Regulations					
	CCTV - various locations	10,000.00	10,000.00 20,000.00			Rate Study placeholder increased CCTV coverage
Subtotal		266,689.00	282,189.00	ı		

Elected and Administrative Employees

PERSONNEL SERVICES TOWN OF MILLBURY

V fi V V Subtotal	Category Upper Blackstone
Wastewater Treatment Charges from the Upper Blackstone Water Pollution Abatement Facility	Description/Expense
827,412.00 827,412.00	FY15 Budget Approp
873,061.00 873,061.00	FY16 Request
1	FY16 Manager
t 1	FY16 Finance
	Notes & Comments

Aillbury portionment rease of (5.6%) WPAD Budget

ease of (6.8%) | amount of \$147k rate and to start funding OPEB liability in the applied to offset assumes only 40% (\$1M) free cash

This UB budget

TOWN OF MILLBURY PERSONNEL SERVICES

Subtotal					Capital Outlay	Category	-
146 Bridge Area Sewer Recon. Field Inspectional Services	Sewer facility fence repairs Alarm System Conversion to wireless panels	Engineering for CMOM - 1st phase (required by DEP by 2017)	Replace 20 manhole frames & covers (annual program)	Truck - 3rd year of 3 year lease		Description/Expense	
25,000.00	5,000.00		20,000.00	1	*	HY15 Budget Approp	774 74
25,000.00 70,000.00	5,000.00	20,000.00	20,000.00			FY16 Request	
				114° 1	* T TO IMMINIST	FV16 Manager	
				1	rinance	FY16	
			No.		Comments	Notes &	

WADPW\Sewer\Millbury Sutton Flow Records\Flow Data\Annual Sewer Flow Data Report - 2014.xls



DEPARTMENT OF PUBLIC WORKS Town of Millbury

127 Elm Street · MILLBURY, MA 01527-0632 MUNICIPAL OFFICE BUILDING

Tel. 508-865-9143 · Fax: 508-865-0843 ROBERT D. McNEIL III, P.E., Director

rmcneil@townofmillbury.net

2014

Annual/Monthly Flow Report

Sewer Division

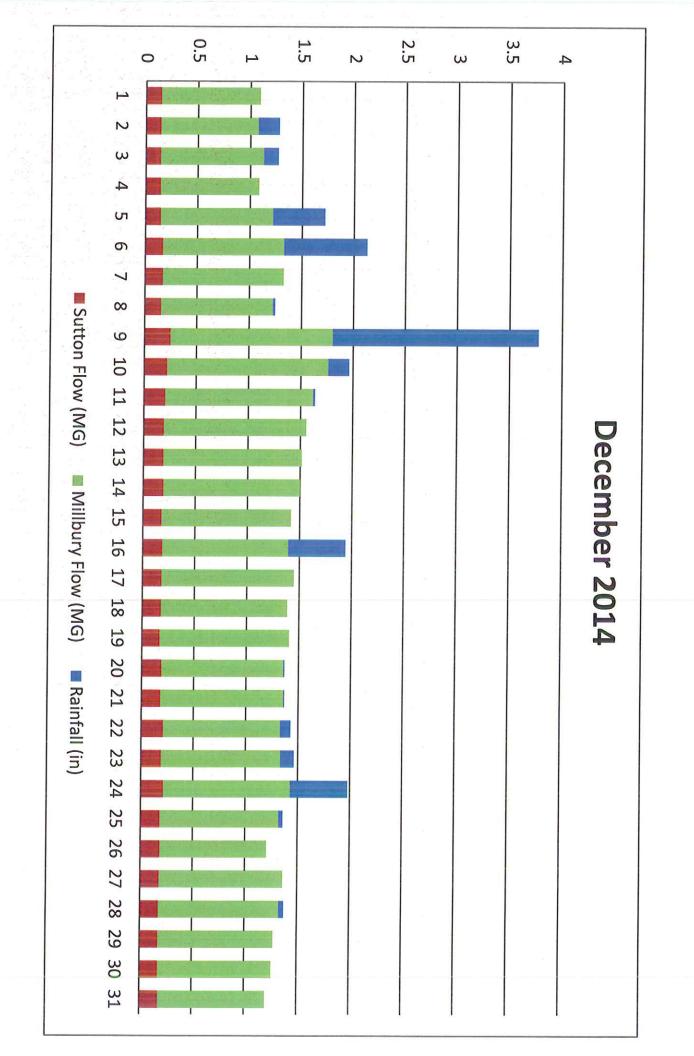
REVISED BY: REVISED: January 6, 2015 R. McNeil

	וסח		Π 5 3	rm.	
Year Totals =	October November December 2nd Qtr. Totals =	July August September 1st Qtr. Totals =	April May June 4th Qtr. Totals =	January February March 3rd Qtr. Totals =	Month
418.860	28.664 29.569 42.083 100.316	29.608 27.993 26.660 84.261	50.773 41.855 31.726 124.354	37.377 29.310 43.242 109.929	Total Flow (MG)
55.203	3.845 4.002 5.634 13.481	4.084 3.943 3.686 11.713	5.799 5.343 4.309 15.451	4.901 4.028 5.629 14.558	Sutton Flow (MG)
363.657	24.819 25.567 36.449 86.835	25.524 24.050 22.974 72.548	44.974 36.512 27.417 108.903	32.476 25.282 37.613 95.371	Millbury Flow (MG)
13.18%	13.41% 13.53% 13.39% 13.44%	13.79% 14.09% 13.83% 13.90%	11.42% 12.77% 13.58% 12.43%	13.11% 13.74% 13.02% 13.24%	Sutton % of Total Flow

Note: Flow data generated from actual calibrated meter readings at the Millbury and Sutton Sewer Facilities.

Total Flow data is measured at the Millbury Sewer Plant's Parshall Flume meter.

Sutton Flow data is generated from actual calibrated meter readings from the Sutton Pump Station taken at the Millbury Sewer Plant. Millbury Flow data calculated by subtracting Sutton Flow data from Total Flow data.



Annual/Monthly Sewer Flow Data Report December 2014

Millbury Sewer Pump Station 131 Providence Street Millbury, MA 01527

0	LΤ	₽ 86'0	0,143	870.1	= Mo7
Ū	2.1	V20 0	2010	8201	- 7110
76.1	85	7.554	122.0	1.805	= dgiH
T / T'O	0.07%	0.4747			= ylisQ
171.0	34,290	9\I.1	781.0	1,358	Average
6Z [.] S	£90T	644.98	₽£9.2	42.083	= letoT
(səhəni)	(∃°)	(MG)	(MG)	(MG)	
Precipitation	Temp.	Millbury Flow	Sutton Flow	Total Flow	γεα
0	Δī	1,023	771.0	2.1	1.5
0	57	1.084	ል 71.0	7°528	30
0	30	1.100	ኮ ሬፒ.0	1.274	57
20.0	917	1.150	771.0	1.327	82
0	35	1.181	£81.0	1.364	77
0	34	1.018	781.0	1.205	97
₽0.0	85	8£1.1	481.0	1.322	52
SS:0	07	1.213	712.0	1.43	77
61.0	6ξ	1.142	661.0	1.335	23
1.0	32	1.121	12.0	1.331	77
10.0	35	9/1.1	681.0	65£'T	2.1
10.0	30	89T.L	6T.0	1,358	70
0	98	1.239	71.0	1,409	6I
0	37	1,207	181.0	1,388	18
0	07	1.265	581.0	SÞ.Í	L٦
SS'0	35	1,205	681.0	1.394	9T
0	87	1,237	81.0	714.1	Sī
0	48	1.308	S6T.0	1.503	14
0	32	1.324	0.195	915'1	13
0	32	1,362	₽ 61.0	35S.1	12
20.0	32	1'412	0.204	6T9'T	II
2.0	6 E	SÞS'T	612.0	79Z'T	οτ
76.1	32	1.554	0.221	1.805	6
20.0	70	1,072	721.0	1.229	8
0	32	SST'T	0.172	1.327	L
8.0	88	191.1	71.0	1.331	9
S:0	23	9Z0.£	7 4 1,0	1,223	S
0	3.1	146.0	241.0	380.1	t
41.0	7£	886.0	641,0	1:131	٤
2.0	34	4 86.0	0.144	1.078	7
0	05	Z46.0	741.0	\$60.£	τ
(səqɔui)	(4°)	(MG)	(MG)	(MG)	γeQ
Precipitation	.qməT	Millbury Flow	Sutton Flow	wolii letoT	
				/ZCTA WIA	a Kanaiiiisi

Note: All data readings taken by staff at 7:00 AM daily



Town of Millbury DEPARTMENT OF PUBLIC WORKS

Sewer Division
Historical Analysis
Annual Flow Data

MUNICIPAL OFFICE BUILDING 127 Elm Street · MILLBURY, MA 01527-0632

ROBERT D. McNEIL III, P.E., Director

Tel. 508-865-9143 · Fax: 508-865-0843

rmcneil@townofmillbury.net REVISED: January 6, 2015 REVISED BY: R. McNeil

Low Flow

Calendar Year	Jan/Feb/Mar (MG)	Apr/May/Jun (MG)	Jul/Aug/Sep (MG)	Oct/Nov/Dec (MG)	Annual Rainfall (in.)	Total Flow (MG)	Calculated Sutton % of Total Flow **
2005	136.613	125.930	85.949	156.887	64.75	77° 30'	0 T.CD/
2006	132.545	125.685	92.669	108.750	57 SS	150 610	0.00%
2007	111.628	140.704	82.716	84 997	47.07	420.045	0.20%
2008	153,656	110.193	98.651	127.511	64.83	490 011	9.1%
2009	124.604	108.645	118.421	113.992	53.37	465,662	913%
2010	150.247	118.847	118.421	105.929	62.21	493,444	8 78%
2011	130.173	126.734	123.338	146.661	69_90	526 906	8 73%
2012	113.849	104.572	89.129	99 151	4417	406.701	0.76%
2013	121.521	125.417	93.724	89.603	49.29	430.262	12 650/
2014	109.929	124.354	84.261	100,316	42.98	418.860	13 18%
	AVG 128	121	99	113	55	462	9.79%

Total Flow data is measured at the Millbury Sewer Plant's Parshall Flume meter. Note: Flow data generated from actual calibrated meter readings at the Millbury and Sutton Sewer Facilities.

Sutton Flow data is generated from actual calibrated meter readings from the Sutton Pump Station taken at the Millbury Sewer Plant. Millbury Flow data calculated by subtracting Sutton Flow data from Total Flow data.

**Note: During an inspection of the Sutton Pump Station in fall of 2012 Millbury DPW discovered the mag meter calibration tag was vintage 200 and asked Sutton to imediately provide updated calibration reports. This mag meter and the associated chart recorder were found to be uncorrelated and were corrected when calibrated on 2/1/2013. This resulted in an estimated 40% increase in metered flow from Sutto