BROWNSTOWN TOWNSHIP
LONG TERM DEBT - Principal
12/31/2016

	G/L Account LT Debt	G/L Account Principal		Issuance Date	Funding Source	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037		TOTAL O/S	2022-2026	2027-2031	2032-2036	2037
BUSINESS TYPE ACTIVITIES																															
DWRF Water Main Bonds - 2009	591.020.301.000	591.020.250.000		6/29/2009	W/S Rate	45,000	45,000	50,000	50,000	50,000	55,000	55,000	55,000	55,000	65,000	65,000	70,000	68,354	-	-								**728,354**	**285,000**	**203,354**	**-**	-
Water Capital Improvement Bonds - 2011	591.020.250.100			6/1/2011	W/S Rate	255,000	265,000	280,000	295,000	310,000	330,000	345,000	365,000	385,000	405,000	430,000	450,000	475,000	500,000	525,000								**5,615,000**	**1,830,000**	**2,380,000**	**-**	-
PNC Installment Loan (SHVUA)	590.020.301.700			6/1/2011	W/S Rate	308,000	308,000	308,000	-	-	-	-	-	-	-	-	-	-	-	-								**924,000**	**-**	**-**	**-**	-
SHVUA Bonds (1998)	590.020.250.300		32.338%	9/29/1998	SHVUA Millage	486,687	498,005	509,324	521,333	-	-	-	-	-	-	-	-	-	-	-								**2,015,348**	**-**	**-**	**-**	-
SHVUA Sewer System Improvement Bonds - 2010	590.020.250.500			12/22/2010	W/S Rate	24,840	24,839	26,614	26,614	30,162	28,388	30,162	31,936	33,711	33,711	35,485	40,808	44,356	47,905	-								**459,531**	**157,908**	**168,554**	**-**	-
SHVUA Sewer System Improvement Bonds - 2011	590.020.250.600			6/24/2011	W/S Rate	36,837	36,837	38,108	39,378	40,648	41,918	41,918	43,189	44,459	45,729	46,999	48,270	49,540	50,810	51,509								**656,148**	**217,213**	**247,128**	**-**	-
SHVUA Biodeck Conversion Project - 2016	590.020.250.900			11/1/2016	W/S Rate	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481													**914,810**	**457,405**	**-**	**-**	-
SRF 5		590.538.994.300		10/3/1996	EPA Millage	162,089	165,631	-	-	-	-	-	-	-	-	-	-	-	-	-								**327,720**	**-**	**-**	**-**	-
SRF 6		590.538.994.300		10/3/1996	EPA Millage	10,227	-	-	-	-	-	-	-	-	-	-	-	-	-	-								**10,227**	**-**	**-**	**-**	-
SRF 7		590.538.994.300		3/27/1997	EPA Millage	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-								**45**	**-**	**-**	**-**	-
SRF 9		590.538.994.300		9/30/1997	EPA Millage	17,364	17,748	2,978	3,050	-	-	-	-	-	-	-	-	-	-	-								**41,141**	**-**	**-**	**-**	-
SRF 10 Project 32		590.538.994.300		9/30/1997	EPA Millage	38,320	39,153	37,583	-	-	-	-	-	-	-	-	-	-	-	-								**115,056**	**-**	**-**	**-**	-
SRF 10 Project -25		590.538.994.300		9/29/1998	EPA Millage	1,711	1,746	1,790	1,826	-	-	-	-	-	-	-	-	-	-	-								**7,073**	**-**	**-**	**-**	-
SRF 11		590.538.994.300		9/29/1998	EPA Millage	250	258	264	271	-	-	-	-	-	-	-	-	-	-	-								**1,043**	**-**	**-**	**-**	-
SRF 12		590.538.994.300		8/27/1999	EPA Millage	56,378	59,146	-	-	-	-	-	-	-	-	-	-	-	-	-								**115,524**	**-**	**-**	**-**	-
SRF 13		590.538.994.300		9/30/1999	EPA Millage	454	454	454	82	-	-	-	-	-	-	-	-	-	-	-								**1,444**	**-**	**-**	**-**	-
SRF 14		590.538.994.300		6/25/1998	EPA Millage	17,997	18,307	18,928	19,238	19,859	-	-	-	-	-	-	-	-	-	-								**94,329**	**-**	**-**	**-**	-
SRF 15 #5217-01	590.020.250.400			9/22/2005	W/S Rate	7,895	6,720	6,860	6,860	7,000	7,140	7,280	7,420	7,420	20,438	-	-	-	-	-								**85,033**	**49,698**	**-**	**-**	-
SRF #5217-15	590.020.250.400			9/23/2011	W/S Rate	18,444	18,207	18,666	19,125	19,584	20,043	20,502	21,114	21,573	22,185	22,644	23,256	23,868	24,480	25,092	25,704	26,011								**370,498**	**105,417**	**119,340**	**51,715**	-
SRF#5419-01	590.020.250.400		*	9/17/2013	W/S Rate	15,900	16,218	16,536	16,854	17,331	17,649	17,967	18,285	18,762	19,080	19,398	19,875	20,193	20,670	21,147	21,465	21,942	1,164							**320,436**	**91,743**	**101,283**	**44,571**	-
Series 2007B	590.020.250.400			8/3/2007	W/S Rate	24,413	25,567	26,887	28,206	29,691	31,176	32,660	34,475	36,289	38,103	39,918	-	-	-	-								**347,385**	**172,703**	**39,918**	**-**	-
Series 2007D	590.020.250.400			12/18/2007	W/S Rate	6,201	6,300	6,450	6,750	7,050	7,350	7,650	7,950	8,400	8,700	9,150	18,291	-	-	-								**100,242**	**40,050**	**27,441**	**-**	-
Series 2008A	590.020.250.400			9/29/2008	W/S Rate	6,709	6,988	7,150	7,313	7,475	7,638	7,800	7,963	8,288	8,450	8,613	8,938	13,146	-	-								**106,471**	**40,139**	**30,697**	**-**	-
Series 2008B	590.020.250.400			9/29/2008	W/S Rate	16,127	16,900	17,388	17,713	18,200	18,688	19,175	19,663	20,150	20,638	21,125	21,613	22,263	32,716	-								**282,359**	**98,314**	**97,717**	**-**	-
Series 2008C	590.020.250.400			9/29/2008	W/S Rate	17,490	18,363	18,850	19,175	19,663	20,150	20,800	21,288	21,775	22,263	22,913	23,400	24,050	30,187	-								**300,366**	**106,276**	**100,550**	**-**	-
Series 2008D	590.020.250.400			9/29/2008	W/S Rate	6,360	6,663	6,825	6,988	7,313	7,475	7,638	7,800	7,963	8,125	8,450	8,613	10,775	-	-	-	-						**100,987**	**39,001**	**27,838**	**-**	-
SRF #5420-01 - $531,150 issue 1/15/16	590.020.250.400		*	1/15/2016	W/S Rate	-	21,942	22,578	23,055	23,691	24,327	24,963	25,599	26,235	15,743													**208,133**	**116,867**	**-**	**-**	-
Caterpillar Tractor	590.538.995.800/591.			11/2/2016	W/S Rate	25,136	27,788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		**52,924**	**-**	**-**	**-**	-
						1,697,356	**1,743,261**	**1,513,713**	**1,200,312**	**699,148**	**708,423**	**729,996**	**758,163**	**786,506**	**824,646**	**729,695**	**733,064**	**751,545**	**706,768**	**622,748**	**47,169**	**47,953**	**1,164**	**-**	**-**	**-**	**-**	**14,301,628**	**3,807,733**	**3,543,819**	**96,286**	**-**
GOVERNMENTAL ACTIVITIES																															
Police Refunding 2016		369.261.992.000		7/12/2016	DDA	440,000	440,000	440,000	440,000	440,000	445,000																	**2,645,000**	**445,000**	**-**	**-**	-
Township Hall Renovation Bonds				5/1/2002	DDA	115,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		**115,000**	**-**	**-**	**-**	-
Road Improvement Bonds 2012		395.535.990.000		7/2/2012	Road Millage	185,000	185,000	190,000	195,000	195,000	210,000	215,000	230,000	245,000	250,000	260,000												**2,360,000**	**1,150,000**	**260,000**	**-**	-
						740,000	**625,000**	**630,000**	**635,000**	**635,000**	**655,000**	**215,000**	**230,000**	**245,000**	**250,000**	**260,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**5,120,000**	**5,120,000**	**1,595,000**	**260,000**	**-**	-
																															-
COMPONENT UNITS																															**-**
DDA Bonds		248.729.992.000		12/30/2004	DDA	1,020,000	1,060,000	1,105,000	1,150,000	1,195,000	1,245,000	-	-	-	-	-	-	-	-	-								**6,775,000**	**1,245,000**	**-**	**-**	**-**
DDA Township Campus 2012		248.729.992.000		3/1/2012	DDA	270,000	280,000	290,000	305,000	320,000	335,000	345,000	360,000	375,000	395,000	410,000	430,000	450,000	470,000	490,000	510,000	-	-	-	-	-		**6,035,000**	**1,810,000**	**2,250,000**	**510,000**	**-**
						1,290,000	**1,340,000**	**1,395,000**	**1,455,000**	**1,515,000**	**1,580,000**	**345,000**	**360,000**	**375,000**	**395,000**	**410,000**	**430,000**	**450,000**	**470,000**	**490,000**	**510,000**	**-**	**-**	**-**	**-**	**-**	**12,810,000**	**12,810,000**	**3,055,000**	**2,250,000**	**510,000**	**-**
									*	3.18%	**Update this based on the current year 5 year average rate for debt finalized during the calendar year & debt not fully drawn**																**32,231,628**				

BROWNSTOWN TOWNSHIP
LONG TERM DEBT - Interest
12/31/2016

	G/L Account Interest	Issuance Date	Funding Source		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL	2022-2026	2027-2031	2032-2036
BUSINESS TYPE ACTIVITIES																											
DWRF Water Main Bonds - 2009	591.537.995.000	6/29/2009	W/S Rate		17,646	16,521	15,333	14,083	12,833	11,521	10,146	8,771	7,396	5,896	4,271	2,584	855	-	-					**127,856**	**43,730**	**7,710**	**-**
Water Capital Improvement Bonds - 2011	591.537.995.100	6/1/2011	W/S Rate		247,000	239,200	228,925	215,988	202,375	187,975	172,788	156,813	139,938	122,163	102,838	81,938	59,969	36,813	12,469					**2,207,188**	**779,675**	**294,025**	**-**
PNC Installment Loan (SHVUA)	590.538.995.500	6/1/2011	W/S Rate		6,682	4,009	1,336																	**12,028**	**-**	**-**	**-**
SHVUA Bonds (1998)	590.538.995.400	9/29/1998	SHVUA Millage	32.338%	45,346	34,395	23,190	11,730	-	-	-	-	-	-	-	-	-	-	-					**114,660**	**-**	**-**	**-**
SHVUA Sewer System Improvement Bonds - 2010	590.538.995.000	12/22/2010	W/S Rate		25,871	24,555	23,191	21,780	20,276	18,725	17,173	15,527	13,788	11,820	9,614	7,182	4,468	1,527	-					**215,497**	**77,033**	**22,791**	**-**
SHVUA Sewer System Improvement Bonds - 2011	590.538.995.700	6/24/2011	W/S Rate	25.405%	15,943	15,022	14,086	13,117	12,117	11,085	10,037	8,973	7,877	6,750	5,591	4,400	3,177	1,923	644					**130,740**	**44,721**	**15,735**	**-**
SHVUA Biodeck Conversion Project - 2016	590.538.995.800	11/1/2016	W/S Rate		1,604	3,031	2,674	2,318	1,961	1,604	1,248	891	535	178	-	-	-	-	-					**16,044**	**4,456**	**-**	**-**
SRF 5	590.538.995.200	10/3/1996	EPA Millage		7,374	3,727	-	-	-	-	-	-	-	-	-	-	-	-	-					**11,100**	**-**	**-**	**-**
SRF 6	590.538.995.200	10/3/1996	EPA Millage		230	-	-	-	-	-	-	-	-	-	-	-	-	-	-					**230**	**-**	**-**	**-**
SRF 7	590.538.995.200	3/27/1997	EPA Millage		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-					**1**	**-**	**-**	**-**
SRF 9	590.538.995.200	9/30/1997	EPA Millage		926	535	136	69	-	-	-	-	-	-	-	-	-	-	-					**1,665**	**-**	**-**	**-**
SRF 10 Project 32	590.538.995.200	9/30/1997	EPA Millage		2,157	1,286	423		-	-	-	-	-	-	-	-	-	-	-					**3,866**	**-**	**-**	**-**
SRF 10 Project -25	590.538.995.200	9/29/1998	EPA Millage		160	120	82	42																**404**	**-**	**-**	**-**
SRF 11	590.538.995.200	9/29/1998	EPA Millage		26	20	14	6	-	-	-	-	-	-	-	-	-	-	-					**66**	**-**	**-**	**-**
SRF 12	590.538.995.200	8/27/1999	EPA Millage		5,921	3,030	-	-	-	-	-	-	-	-	-	-	-	-	-					**8,951**	**-**	**-**	**-**
SRF 13	590.538.995.200	9/30/1999	EPA Millage		30	19	8	1	-	-	-	-	-	-	-	-	-	-	-					**58**	**-**	**-**	**-**
SRF 14	590.538.995.200	6/25/1998	EPA Millage		2,133	1,679	1,214	248	496	-	-	-	-	-	-	-	-	-	-					**5,771**	**-**	**-**	**-**
SRF 15 #5217-01	590.538.995.600	9/22/2005	W/S Rate		1,151	1,044	935	824	712	598	482	364	243	123	-	-	-	-	-					**6,476**	**1,810**	**-**	**-**
SRF #5217-15	590.538.995.600	9/23/2011	W/S Rate		9,032	8,582	8,121	7,649	7,165	6,670	6,163	5,643	5,109	4,562	4,002	3,428	2,839	2,235	1,615	980	329			**84,124**	**28,147**	**14,119**	**1,309**
SRF#5419-01	590.538.995.600	9/17/2013	W/S Rate	*	6,250	5,929	5,601	5,267	4,925	4,575	4,219	3,857	3,486	3,108	2,723	2,394	1,930	1,521	1,103	677	243	12		**57,819**	**19,246**	**9,671**	**931**
Series 2007B	590.538.995.600	8/3/2007	W/S Rate		17,615	16,394	15,116	13,772	12,361	10,877	9,240	7,525	5,716	3,901	1,996	-	-	-	-					**114,513**	**37,259**	**1,996**	**-**
Series 2007D	590.538.995.600	12/18/2007	W/S Rate		3,877	3,593	3,334	3,062	2,773	2,467	2,143	1,797	1,429	1,045	643	219	-	-	-					**26,382**	**8,881**	**862**	**-**
Series 2008A	590.538.995.600	9/29/2008	W/S Rate		2,379	2,213	2,044	1,870	1,693	1,511	1,326	1,137	942	741	536	326	109	-	-					**16,827**	**5,657**	**971**	**-**
Series 2008B	590.538.995.600	9/29/2008	W/S Rate		6,347	5,948	5,536	5,115	4,684	4,241	3,787	3,321	2,843	2,354	1,853	1,340	813	273	-					**48,454**	**16,546**	**4,278**	**-**
Series 2008C	590.538.995.600	9/29/2008	W/S Rate		7,086	6,657	6,217	5,764	5,304	4,832	4,349	3,849	3,338	2,816	2,282	1,732	1,170	593	-					**55,988**	**19,184**	**5,776**	**-**
Series 2008D	590.538.995.600	9/29/2008	W/S Rate		2,379	2,223	2,063	1,899	1,732	1,556	1,377	1,193	1,006	815	620	417	211	-	-	-		-		**17,492**	**5,948**	**1,248**	**-**
SRF #5420-01 - $531,150 issue 1/15/16	590.538.995.600	1/15/2016	W/S Rate	*	5,164	4,929	4,373	3,802	3,218	2,618	2,001	1,369	722	197		-	-	-	-	-		-	-	**28,393**	**6,907**	**-**	**-**
Caterpillar Tractor	590.538.995.900 / 591.53	11/2/2016	W/S Rate		1,318	692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**2,010**	**-**	**-**	**-**
					441,648	**405,353**	**363,950**	**328,406**	**294,624**	**270,855**	**246,478**	**221,030**	**194,368**	**166,468**	**136,968**	**105,959**	**75,541**	**44,884**	**15,831**	**1,657**	**572**	**12**	**-**	**3,314,602**	**1,099,199**	**379,182**	**2,240**
GOVERNMENTAL ACTIVITIES																											
Police Refunding 2016	369.261.995.000	7/12/2016	DDA		48,500	39,700	30,900	22,100	13,300	4,450	-	-	-	-	-	-	-	-	-					**158,950**	**4,450**	**-**	**-**
Township Hall Renovation Bonds		5/1/2002	DDA		2,659	-	-	-	-	-	-	-	-	-	-	-	-	-	-					**2,659**	**-**	**-**	**-**
Road Improvement Bonds 2012	395.535.991.000	7/2/2012	Road Millage		65,765	62,065	57,365	51,590	45,740	39,665	33,290	26,615	19,490	12,003	4,095	-	-	-	-	-	-	-	-	**417,683**	**131,063**	**4,095**	**-**
					116,924	**101,765**	**88,265**	**73,690**	**59,040**	**44,115**	**33,290**	**26,615**	**19,490**	**12,003**	**4,095**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**579,292**	**135,513**	**4,095**	**-**
COMPONENT UNITS																											
DDA Bonds	248.729.995.000	12/30/2004	DDA		215,811	188,768	170,563	123,822	77,282	29,071	-	-	-	-	-	-	-	-						**805,317**	**29,071**	**-**	**-**
DDA Township Campus 2012	248.729.995.100	3/1/2012	DDA		189,369	181,119	172,569	163,644	154,269	144,444	134,244	123,669	112,644	100,847	88,269	74,875	60,294	44,475	27,369	9,244	-	-	-	**1,781,341**	**615,847**	**295,281**	**9,244**
					405,180	**369,887**	**343,132**	**287,466**	**231,551**	**173,515**	**134,244**	**123,669**	**112,644**	**100,847**	**88,269**	**74,875**	**60,294**	**44,475**	**27,369**	**9,244**	**-**	**-**	**-**	**2,586,658**	**644,918**	**295,281**	**9,244**
								*	3.18%	**Update this based on the current year 5 year average rate for debt finalized during the calendar year & debt not fully drawn**														**6,480,551**			