BROWNSTOWN TOWNSHIP
LONG TERM DEBT - Principal
12/31/2017

		Issuance Date	Original Issue Amount	Type of Debt	Funding Source	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	**TOTAL O/S**	**2023-2027**	**2028-2032**	**2033-2037**	**2038**
BUSINESS TYPE ACTIVITIES																															
DWRF Water Main Bonds - 2009		6/29/2009	$ 1,185,000	Bond	W/S Rate	45,000	50,000	50,000	50,000	55,000	55,000	55,000	55,000	65,000	65,000	70,000	68,354	-	-								**683,354**	**295,000**	**138,354**	**-**	-
Water Capital Improvement Bonds - 2011		6/1/2011	$ 6,700,000	Bond	W/S Rate	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								**5,360,000**	**1,930,000**	**1,950,000**	**-**	-
PNC Installment Loan (SHVUA)		6/1/2011	$ 1,540,000	Installment Loan	W/S Rate	308,000	308,000	-	-	-	-	-	-	-	-	-	-	-	-								**616,000**	**-**	**-**	**-**	-
SHVUA Bonds (1998)	32.338%	9/29/1998	$ 8,507,200	Bond	SHVUA Millage	498,005	509,324	521,333	-	-	-	-	-	-	-	-	-	-	-								**1,528,661**	**-**	**-**	**-**	-
SHVUA Sewer System Improvement Bonds - 2010		12/22/2010	$ 567,760	Bond	W/S Rate	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	-								**434,691**	**165,005**	**133,069**	**-**	-
SHVUA Sewer System Improvement Bonds - 2011		6/24/2011	$ 840,905	Bond	W/S Rate	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								**619,311**	**222,294**	**200,129**	**-**	-
SHVUA Biodeck Conversion Project - 2016		11/1/2016	$ 914,808	Bond	W/S Rate	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481													**823,329**	**365,924**	**-**	**-**	-
SRF 5		10/3/1996	$ 2,698,311	Bond	EPA Millage	165,631	-	-	-	-	-	-	-	-	-	-	-	-	-								**165,631**	**-**	**-**	**-**	-
SRF 6		10/3/1996	$ 187,733	Bond	EPA Millage	-	-	-	-	-	-	-	-	-	-	-	-	-	-								**-**	**-**	**-**	**-**	-
SRF 7		3/27/1997	$ 728	Bond	EPA Millage	-	-	-	-	-	-	-	-	-	-	-	-	-	-								**-**	**-**	**-**	**-**	-
SRF 9		9/30/1997	$ 291,996	Bond	EPA Millage	17,748	2,978	3,050	-	-	-	-	-	-	-	-	-	-	-								**23,777**	**-**	**-**	**-**	-
SRF 10 Project 32		9/30/1997	$ 651,531	Bond	EPA Millage	39,153	37,583	-	-	-	-	-	-	-	-	-	-	-	-								**76,736**	**-**	**-**	**-**	-
SRF 10 Project -25		9/29/1998	$ 29,748	Bond	EPA Millage	1,746	1,790	1,826	-	-	-	-	-	-	-	-	-	-	-								**5,362**	**-**	**-**	**-**	-
SRF 11		9/29/1998	$ 4,313	Bond	EPA Millage	258	264	271	-	-	-	-	-	-	-	-	-	-	-								**793**	**-**	**-**	**-**	-
SRF 12		8/27/1999	$ 887,593	Bond	EPA Millage	59,146	-	-	-	-	-	-	-	-	-	-	-	-	-								**59,146**	**-**	**-**	**-**	-
SRF 13		9/30/1999	$ 7,270	Bond	EPA Millage	454	454	82	-	-	-	-	-	-	-	-	-	-	-								**990**	**-**	**-**	**-**	-
SRF 14		6/25/1998	$ 315,567	Bond	EPA Millage	18,307	18,928	19,238	19,859	-	-	-	-	-	-	-	-	-	-								**76,332**	**-**	**-**	**-**	-
SRF 15 #5217-01		9/22/2005	$ 147,888	Bond	W/S Rate	8,448	6,860	6,860	7,000	7,140	7,280	7,420	7,420	17,910	-	-	-	-	-								**76,338**	**40,030**	**-**	**-**	-
SRF #5217-15		9/23/2011	$ 452,160	Bond	W/S Rate	20,944	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	23,274						**352,054**	**108,018**	**122,400**	**23,274**	-
SRF#5419-01	*	9/17/2013	$ 350,282	Bond	W/S Rate	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	22,419	22,282				**348,073**	**93,492**	**103,350**	**66,643**	-
Series 2007B		8/3/2007	$ 520,912	Bond	EPA Millage	25,567	26,887	28,206	29,691	31,176	32,660	34,475	36,289	38,103	39,918	-	-	-	-								**322,972**	**181,445**	**-**	**-**	-
Series 2007D		12/18/2007	$ 134,160	Bond	W/S Rate	7,392	6,450	6,750	7,050	7,350	7,650	7,950	8,400	8,700	9,150	17,317	-	-	-								**94,159**	**41,850**	**17,317**	**-**	-
Series 2008A		9/29/2008	$ 139,620	Bond	W/S Rate	7,216	7,150	7,313	7,475	7,638	7,800	7,963	8,288	8,450	8,613	8,938	12,238	-	-								**99,082**	**41,114**	**21,176**	**-**	-
Series 2008B		9/29/2008	$ 348,660	Bond	W/S Rate	17,424	17,388	17,713	18,200	18,688	19,175	19,663	20,150	20,638	21,125	21,613	22,263	30,559	-								**264,599**	**100,751**	**74,435**	**-**	-
Series 2008C		9/29/2008	$ 377,988	Bond	W/S Rate	19,888	18,850	19,175	19,663	20,150	20,800	21,288	21,775	22,263	22,913	23,400	24,050	28,662	-								**282,877**	**109,039**	**76,112**	**-**	-
Series 2008D		9/29/2008	$ 135,096	Bond	W/S Rate	7,216	6,825	6,988	7,313	7,475	7,638	7,800	7,963	8,125	8,450	8,613	10,221	-	-	-	-						**94,627**	**39,976**	**18,834**	**-**	-
SRF #5420-01 - $531,150 issue 1/15/16	*	1/15/2016	$ 565,365	Bond	W/S Rate	21,942	22,578	23,055	23,691	24,327	24,963	25,599	26,235	26,871	27,507	28,143	28,938	29,574	30,369	31,164	31,959	32,754	4,119				**463,788**	**131,175**	**148,188**	**68,832**	-
Caterpillar Tractor		11/2/2016	$ 77,447	Lease	W/S Rate	27,788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**27,788**	**-**	**-**	**-**	-
						1,751,649	**1,513,713**	**1,200,312**	**699,148**	**708,423**	**729,996**	**758,163**	**786,506**	**833,246**	**757,202**	**760,233**	**779,021**	**732,660**	**653,117**	**78,333**	**77,175**	**55,173**	**26,401**	**-**	**-**	**-**	**12,900,469**	**3,865,112**	**3,003,363**	**158,749**	**-**
GOVERNMENTAL ACTIVITIES																															
Police Refunding 2016		7/12/2016	$ 2,645,000	Bond	DDA	440,000	440,000	440,000	440,000	445,000																	**2,205,000**	-	**-**	**-**	-
Road Improvement Bonds 2012		7/2/2012	$ 2,870,000	Bond	Road Millage	185,000	190,000	195,000	195,000	210,000	215,000	230,000	245,000	250,000	260,000	-	-	-	-	-	-	-	-	-	-	-	**2,175,000**	**1,200,000**	**-**	**-**	-
						625,000	**630,000**	**635,000**	**635,000**	**655,000**	**215,000**	**230,000**	**245,000**	**250,000**	**260,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,380,000**	**1,200,000**	**-**	**-**	**-**
																															-
COMPONENT UNITS																															**-**
DDA Bonds (prepaid $3,300,000 8/1/17)		12/30/2004	$ 15,000,000	Bond	DDA	-	-	805,000	820,000	830,000	-	-	-	-	-	-	-	-	-								**2,455,000**	**-**	**-**	**-**	-
DDA Township Campus 2012		3/1/2012	$ 7,000,000	Bond	DDA	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	-	-	-	-	-	-	**5,765,000**	**1,885,000**	**2,350,000**	**-**	-
						280,000	**290,000**	**1,110,000**	**1,140,000**	**########**	**345,000**	**360,000**	**375,000**	**395,000**	**410,000**	**430,000**	**450,000**	**470,000**	**490,000**	**510,000**	**-**	**-**	**-**	**-**	**-**	**-**	**8,220,000**	**1,885,000**	**2,350,000**	**-**	**-**
TOTAL						**2,656,649**	**2,433,713**	**2,945,312**	**2,474,148**	**########**	**1,289,996**	**1,348,163**	**1,406,506**	**1,478,246**	**1,427,202**	**1,190,233**	**1,229,021**	**1,202,660**	**1,143,117**	**588,333**	**77,175**	**55,173**	**26,401**	**-**	**-**	**-**	**25,500,469**				

BROWNSTOWN TOWNSHIP
LONG TERM DEBT - Interest
12/31/2017

	G/L Account Interest	Issuance Date	Funding Source		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	TOTAL	2023-2027	2028-2032	2033-2037
BUSINESS TYPE ACTIVITIES																													
DWRF Water Main Bonds - 2009	591.537.995.000	6/29/2009	W/S Rate		16,521	15,333	14,083	12,833	11,521	10,146	8,771	7,396	5,896	4,271	2,584	855	-	-								**110,210**	**36,480**	**3,439**	**-**
Water Capital Improvement Bonds - 2011	591.537.995.100	6/1/2011	W/S Rate		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								**1,960,188**	**694,538**	**191,188**	**-**
PNC Installment Loan (SHVUA)	590.538.995.500	6/1/2011	W/S Rate		4,009	1,336																				**5,346**	**-**	**-**	**-**
SHVUA Bonds (1998)	590.538.995.400	9/29/1998	SHVUA Millage	32.338%	34,395	23,190	11,730	-	-	-	-	-	-	-	-	-	-	-								**69,315**	**-**	**-**	**-**
SHVUA Sewer System Improvement Bonds - 2010	590.538.995.000	12/22/2010	W/S Rate		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	-								**189,626**	**67,922**	**13,177**	**-**
SHVUA Sewer System Improvement Bonds - 2011	590.538.995.700	6/24/2011	W/S Rate	25.405%	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								**114,797**	**39,227**	**10,144**	**-**
SHVUA Biodeck Conversion Project - 2016	590.538.995.800	11/1/2016	W/S Rate		3,031	2,674	2,318	1,961	1,604	1,248	891	535	178	-	-	-	-	-								**14,440**	**2,852**	**-**	**-**
SRF 5	590.538.995.200	10/3/1996	EPA Millage		3,727	-	-	-	-	-	-	-	-	-	-	-	-	-								**3,727**	**-**	**-**	**-**
SRF 6	590.538.995.200	10/3/1996	EPA Millage		-	-	-	-	-	-	-	-	-	-	-	-	-	-								**-**	**-**	**-**	**-**
SRF 7	590.538.995.200	3/27/1997	EPA Millage		-	-	-	-	-	-	-	-	-	-	-	-	-	-								**-**	**-**	**-**	**-**
SRF 9	590.538.995.200	9/30/1997	EPA Millage		535	136	69	-	-	-	-	-	-	-	-	-	-	-								**739**	**-**	**-**	**-**
SRF 10 Project 32	590.538.995.200	9/30/1997	EPA Millage		1,286	423		-	-	-	-	-	-	-	-	-	-	-								**1,709**	**-**	**-**	**-**
SRF 10 Project -25	590.538.995.200	9/29/1998	EPA Millage		120	82	42																			**244**	**-**	**-**	**-**
SRF 11	590.538.995.200	9/29/1998	EPA Millage		20	14	6	-	-	-	-	-	-	-	-	-	-	-								**40**	**-**	**-**	**-**
SRF 12	590.538.995.200	8/27/1999	EPA Millage		3,030	-	-	-	-	-	-	-	-	-	-	-	-	-								**3,030**	**-**	**-**	**-**
SRF 13	590.538.995.200	9/30/1999	EPA Millage		19	8	1	-	-	-	-	-	-	-	-	-	-	-								**28**	**-**	**-**	**-**
SRF 14	590.538.995.200	6/25/1998	EPA Millage		1,679	1,214	248	496	-	-	-	-	-	-	-	-	-	-								**3,638**	**-**	**-**	**-**
SRF 15 #5217-01	590.538.995.600	9/22/2005	W/S Rate		1,313	935	824	712	598	482	364	243	123	-	-	-	-	-								**5,594**	**1,212**	**-**	**-**
SRF #5217-15	590.538.995.600	9/23/2011	W/S Rate		9,872	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						**76,382**	**25,479**	**11,097**	**329**
SRF#5419-01	590.538.995.600	9/17/2013	W/S Rate	*	6,765	6,419	6,050	5,671	5,284	4,890	4,489	4,079	3,660	3,234	2,799	2,356	1,903	1,440	969	488	123					**60,618**	**20,351**	**9,467**	**611**
Series 2007B	590.538.995.600	8/3/2007	W/S Rate		16,394	15,116	13,772	12,361	10,877	9,240	7,525	5,716	3,901	1,996	-	-	-	-								**96,898**	**28,378**	**-**	**-**
Series 2007D	590.538.995.600	12/18/2007	W/S Rate		4,216	3,334	3,062	2,773	2,467	2,143	1,797	1,429	1,045	643	219	-	-	-								**23,128**	**7,057**	**219**	**-**
Series 2008A	590.538.995.600	9/29/2008	W/S Rate		2,516	2,044	1,870	1,693	1,511	1,326	1,137	942	741	536	326	109	-	-								**14,751**	**4,682**	**435**	**-**
Series 2008B	590.538.995.600	9/29/2008	W/S Rate		6,575	5,536	5,115	4,684	4,241	3,787	3,321	2,843	2,354	1,853	1,340	813	273	-								**42,734**	**14,157**	**2,426**	**-**
Series 2008C	590.538.995.600	9/29/2008	W/S Rate		7,262	6,217	5,764	5,304	4,832	4,349	3,849	3,338	2,816	2,282	1,732	1,170	593	-								**49,507**	**16,634**	**3,494**	**-**
Series 2008D	590.538.995.600	9/29/2008	W/S Rate		2,418	2,063	1,899	1,732	1,556	1,377	1,193	1,006	815	620	417	211	-	-	-		-					**15,307**	**5,012**	**628**	**-**
SRF #5420-01 - $531,150 issue 1/15/16	590.538.995.600	1/15/2016	W/S Rate	*	11,680	11,317	10,685	10,038	9,374	8,692	7,992	7,275	6,540	5,788	5,018	4,228	3,419	2,589	1,738	864	211	-				**107,451**	**36,288**	**16,992**	**1,076**
Caterpillar Tractor	590.538.995.900 / 591.53	11/2/2016	W/S Rate		692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**692**	**-**	**-**	**-**
					416,853	**371,713**	**336,072**	**302,191**	**278,320**	**253,839**	**228,285**	**201,514**	**173,363**	**143,266**	**111,382**	**80,195**	**48,685**	**18,757**	**3,687**	**1,682**	**334**	**-**				**2,970,138**	**1,000,268**	**262,705**	**2,015**
GOVERNMENTAL ACTIVITIES																													
Police Refunding 2016	369.261.995.000	7/12/2016	DDA		39,700	30,900	22,100	13,300	4,450	-	-	-	-	-	-	-	-	-								**110,450**	**-**	**-**	**-**
Road Improvement Bonds 2012	395.535.991.000	7/2/2012	Road Millage		62,065	57,365	51,590	45,740	39,665	33,290	26,615	19,490	12,003	4,095	-	-	-	-	-	-	-	-	-	-	-	**351,918**	**95,493**	**-**	**-**
					101,765	**88,265**	**73,690**	**59,040**	**44,115**	**33,290**	**26,615**	**19,490**	**12,003**	**4,095**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**				**462,368**	**95,493**	**-**	**-**
COMPONENT UNITS																													
DDA Bonds	248.729.995.000	12/30/2004	DDA		48,848	49,324	42,079	25,894	12,199	-	-	-	-	-	-	-	-									**178,344**	**-**	**-**	**-**
DDA Township Campus 2012	248.729.995.100	3/1/2012	DDA		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	-	-	-	-	-	-	**1,591,972**	**559,672**	**216,256**	**-**
					229,967	**221,893**	**205,723**	**180,163**	**156,643**	**134,244**	**123,669**	**112,644**	**100,847**	**88,269**	**74,875**	**60,294**	**44,475**	**27,369**	**9,244**	**-**	**-**	**-**				**1,770,316**	**559,672**	**216,256**	**-**
TOTAL					**748,585**	**681,870**	**615,484**	**541,394**	**479,078**	**421,373**	**378,569**	**333,647**	**286,213**	**235,630**	**186,257**	**140,489**	**93,160**	**46,126**	**12,930**	**1,682**	**334**	**-**	**-**	**-**	**-**	**5,202,821**	**1,655,432**	**478,962**	**2,015**