

**Debt Capsule Report**

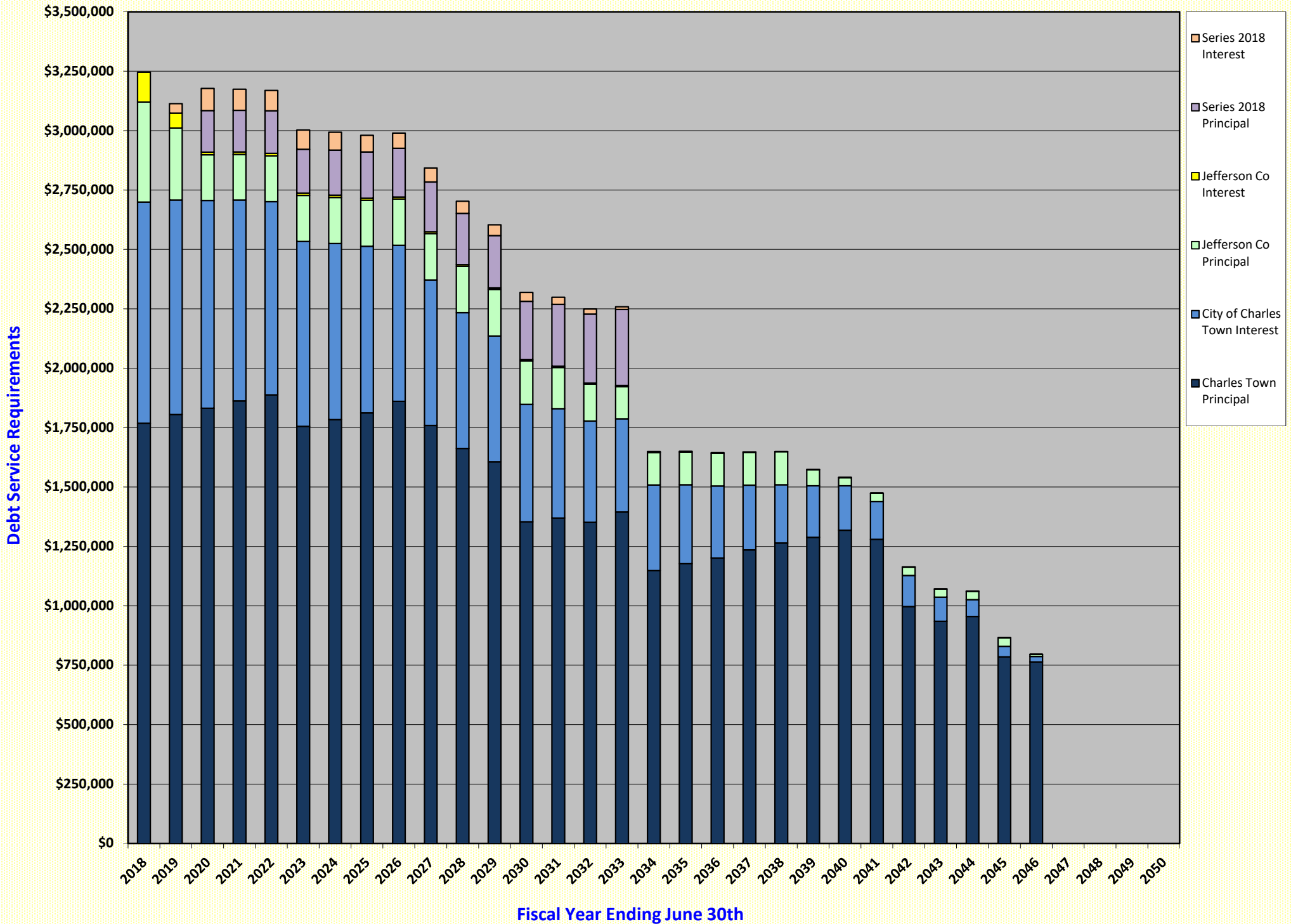
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
Bond Series	Original Designation	System Allocation	Loan Program	Public Mkt Purpose	Original Par Amount	10/31/2018 Outstanding Par Amount	DSRF* Requirement	10/31/2018 DSRF Balance	Water Allocation	Sewer Allocation	Interest Rate	Refundable Coupons	Final Maturity	Public Mkt Par Call Date
1987 B		Charles Town	WDA		\$413,629	\$87,080	\$10,886	\$11,153	100.000%	0.000%	0.000%		2027	
1988 B-1		Charles Town	WDA		\$295,916	\$75,864	\$7,588	\$7,773	0.000%	100.000%	0.000%		2029	
1988 B-2		Charles Town	WDA		\$558,000	\$143,068	\$14,308	\$14,659	100.000%	0.000%	0.000%		2029	
1989 B		Charles Town	WDA		\$117,480	\$33,135	\$3,013	\$3,086	100.000%	0.000%	0.000%		2030	
1998		Charles Town	SRF		\$437,601	\$26,272	\$26,601	\$26,949	0.000%	100.000%	2.000%		2020	
2000 A		Charles Town	SRF		\$3,163,781	\$603,701	\$192,320	\$196,252	0.000%	100.000%	2.000%		2022	
2002 A		Charles Town	WDA		\$1,100,000	\$871,564	\$72,846	\$73,799	100.000%	0.000%	5.800%		2040	
2002 B		Charles Town	WVIF		\$3,600,000	\$2,220,779	\$93,507	\$95,787	100.000%	0.000%	0.000%		2042	
2010 A		Charles Town	DWTRF		\$912,458	\$612,113	\$55,468	\$43,409	100.000%	0.000%	2.000%		2031	
2010 B		Charles Town	DWTRF		\$100,000	\$67,084	\$6,080	\$4,759	100.000%	0.000%	2.000%		2031	
2010 C		Charles Town	SRF		\$1,250,000	\$947,907	\$41,668	\$31,664	0.000%	100.000%	0.000%		2041	
2010 D		Charles Town	SRF		\$500,000	\$379,157	\$16,668	\$12,619	0.000%	100.000%	0.000%		2041	
2011 A		Charles Town	SRF		\$6,634,881	\$5,695,983	\$250,373	\$145,484	0.000%	100.000%	0.000%		2041	
2013 A		Charles Town	SRF		\$591,977	\$518,079	\$21,262	\$9,019	0.000%	100.000%	0.500%		2045	
2013 B		Charles Town	Public Mkt	New Money (BQ)	\$2,970,000	\$2,690,000	\$194,450	\$196,994	38.000%	62.000%		5.058%	2044	10/01/19
2014 A		Charles Town	SRF		\$4,058,900	\$3,743,411	\$145,782	\$39,464	0.000%	100.000%	0.500%		2046	
2014 C		Charles Town	Public Mkt	Refunding (AMT)	\$820,000	\$720,000	\$69,538	\$71,152	100.000%	0.000%		4.176%	2033	12/01/19
2014 D		Charles Town	Public Mkt	Taxable	\$1,445,000	\$1,135,000	\$144,500	\$147,887	0.000%	100.000%		4.450%	2028	12/01/19
2014 E		Charles Town	Public Mkt	Refunding (BQ)	\$1,425,000	\$1,040,000	\$142,500	\$145,802	100.000%	0.000%		3.203%	2026	06/01/20
2015 A		Charles Town	Public Mkt	Refunding (BQ)	\$2,750,000	\$2,485,000	\$211,425	BAM Surety	76.000%	24.000%		3.165%	2033	12/01/21
2015 B		Charles Town	Public Mkt	Refunding (BQ)	\$4,355,000	\$3,410,000	\$429,950	BAM Surety	81.000%	19.000%		3.144%	2029	10/01/21
2016 A		Charles Town	Public Mkt	New Money (NBQ)	\$7,695,000	\$7,395,000	\$432,969	BAM Surety	100.000%	0.000%		3.817%	2046	03/01/26
2016 B		Charles Town	Public Mkt	New Money (NBQ)	\$3,895,000	\$3,895,000	\$257,000	BAM Surety	0.000%	100.000%		3.291%	2046	06/01/26
2018 A-1	1988 B	Jefferson Co	WDA		\$425,767	\$109,174	\$10,921	\$11,041	0.000%	100.000%	0.000%		2028	
2018 A-2	1998 B	Jefferson Co	SRF		\$599,089	\$22,464	\$29,956	\$30,286	0.000%	100.000%	1.000%		2019	
2018 A-3	1998 C	Jefferson Co	WVIF		\$662,039	\$662,039	\$38,302	\$0	0.000%	100.000%	1.000%		2038	
2018 A-4	1999 A	Jefferson Co	SRF		\$378,363	\$145,038	\$12,612	\$12,751	0.000%	100.000%	0.500%		2030	
2018 A-5	2000 A	Jefferson Co	SRF		\$1,154,889	\$510,072	\$38,496	\$38,920	0.000%	100.000%	0.500%		2031	
2018 A-6	2008 A	Jefferson Co	SRF		\$2,005,000	\$1,353,349	\$66,836	\$67,573	0.000%	100.000%	2.000%		2038	
2018 A-7	2014 A	Jefferson Co	DWTRF		\$985,350	\$893,329	\$35,390	\$11,390	100.000%	0.000%			2045	
2018 B**		Jefferson Co	Public Mkt	Refunding (BQ)	\$3,065,000	\$3,065,000	\$306,500	BAM Surety	0.000%	100.000%			2033	06/01/23
2019***		Jefferson Co		Flowing Springs Project										
Totals:					\$58,365,120	\$45,555,662	\$3,379,715							

\* \$851,964 of Targeted DSRF Surety Purchases from Build America Mutual. Releases \$625,859 of Balances, plus Future Deposits on Unfunded Requirements.

\*\* Public Market Refunding of JCPSD Series 2010 A, 2013 A and 2015 Bank Loan.

\*\*\* Public Market Wrapped Solution Financing. Estimated Project Cost of \$5,415,000. Estimated 2019 Financing.

# ( City of Charles Town Combined Waterworks and Sewerage System Debt Service Structure )



Debt Service Structure Report - Combined Systems

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
FY Ending June 30	----- Charles Town Systems -----				----- Jefferson Co Systems -----				----- Series 2018 B Bonds -----			Grand Total Payments	MADS Coverage Total Payments*
	Principal Portion	Interest Portion	Admin Fees Portion	Total Payments	Principal Portion	Interest Portion	Admin Fees Portion	Total Payments	Principal Portion	Interest Portion	Total Payments		
2018	\$1,767,914	\$931,395	\$61,381	\$2,760,690	\$420,739	\$125,830	\$14,498	\$561,067				\$3,321,756	\$3,245,878
2019	\$1,804,831	\$903,169	\$60,748	\$2,768,747	\$303,267	\$62,286	\$14,498	\$380,050	\$0	\$39,970	\$39,970	\$3,188,768	\$3,113,523
2020	\$1,831,867	\$874,716	\$58,341	\$2,764,924	\$191,756	\$10,794	\$11,465	\$214,015	\$175,000	\$93,438	\$268,438	\$3,247,376	\$3,177,570
2021	\$1,861,985	\$845,609	\$57,111	\$2,764,704	\$192,231	\$10,319	\$11,465	\$214,015	\$175,000	\$89,500	\$264,500	\$3,243,219	\$3,174,643
2022	\$1,887,487	\$813,906	\$47,934	\$2,749,327	\$192,711	\$9,840	\$11,465	\$214,015	\$180,000	\$85,125	\$265,125	\$3,228,467	\$3,169,068
2023	\$1,755,261	\$778,758	\$38,755	\$2,572,773	\$193,193	\$9,357	\$11,465	\$214,015	\$185,000	\$80,625	\$265,625	\$3,052,413	\$3,002,194
2024	\$1,783,587	\$741,835	\$38,105	\$2,563,527	\$193,680	\$8,870	\$11,465	\$214,015	\$190,000	\$75,538	\$265,538	\$3,043,079	\$2,993,509
2025	\$1,812,026	\$700,746	\$37,452	\$2,550,223	\$194,171	\$8,379	\$11,465	\$214,014	\$195,000	\$70,313	\$265,313	\$3,029,550	\$2,980,633
2026	\$1,860,585	\$657,213	\$36,796	\$2,554,594	\$194,666	\$7,883	\$11,465	\$214,014	\$205,000	\$64,463	\$269,463	\$3,038,070	\$2,989,810
2027	\$1,759,268	\$612,465	\$36,136	\$2,407,869	\$195,165	\$7,384	\$11,465	\$214,014	\$210,000	\$58,313	\$268,313	\$2,890,195	\$2,842,594
2028	\$1,662,200	\$571,394	\$35,473	\$2,269,067	\$195,670	\$6,880	\$11,465	\$214,015	\$215,000	\$52,013	\$267,013	\$2,750,095	\$2,703,157
2029	\$1,606,125	\$529,388	\$34,807	\$2,170,319	\$196,181	\$6,372	\$11,465	\$214,018	\$220,000	\$45,563	\$265,563	\$2,649,900	\$2,603,628
2030	\$1,353,357	\$494,408	\$34,138	\$1,881,902	\$182,620	\$5,860	\$11,226	\$199,707	\$245,000	\$38,413	\$283,413	\$2,365,022	\$2,319,658
2031	\$1,369,206	\$460,447	\$33,465	\$1,863,119	\$173,677	\$5,344	\$10,511	\$189,532	\$260,000	\$30,450	\$290,450	\$2,343,100	\$2,299,124
2032	\$1,351,678	\$426,390	\$32,788	\$1,810,857	\$154,950	\$4,823	\$9,055	\$168,828	\$290,000	\$21,350	\$311,350	\$2,291,035	\$2,249,192
2033	\$1,395,002	\$391,874	\$32,109	\$1,818,986	\$136,227	\$4,298	\$7,600	\$148,124	\$320,000	\$11,200	\$331,200	\$2,298,310	\$2,258,601
2034	\$1,148,475	\$360,384	\$31,426	\$1,540,285	\$136,758	\$3,768	\$7,600	\$148,125				\$1,688,410	\$1,649,385
2035	\$1,177,109	\$332,376	\$30,739	\$1,540,225	\$137,291	\$3,234	\$7,600	\$148,124				\$1,688,349	\$1,650,010
2036	\$1,200,914	\$303,063	\$30,049	\$1,534,027	\$137,830	\$2,695	\$7,600	\$148,124				\$1,682,151	\$1,644,502
2037	\$1,234,897	\$272,660	\$29,356	\$1,536,914	\$138,374	\$2,152	\$7,600	\$148,125				\$1,685,039	\$1,648,083
2038	\$1,264,068	\$245,386	\$28,659	\$1,538,113	\$138,921	\$1,604	\$7,600	\$148,125				\$1,686,238	\$1,649,979
2039	\$1,288,439	\$216,899	\$27,959	\$1,533,297	\$67,611	\$1,195	\$5,073	\$73,879				\$1,607,176	\$1,574,144
2040	\$1,318,021	\$187,298	\$27,255	\$1,532,574	\$34,367	\$1,024	\$2,545	\$37,936				\$1,570,510	\$1,540,710
2041	\$1,279,981	\$158,682	\$26,547	\$1,465,211	\$34,539	\$852	\$2,545	\$37,936				\$1,503,147	\$1,474,054
2042	\$997,094	\$130,837	\$4,682	\$1,132,613	\$34,712	\$679	\$2,545	\$37,936				\$1,170,549	\$1,163,322
2043	\$934,408	\$101,507	\$3,967	\$1,039,882	\$34,886	\$505	\$2,545	\$37,936				\$1,077,819	\$1,071,306
2044	\$955,231	\$71,082	\$3,249	\$1,029,562	\$35,062	\$330	\$2,545	\$37,937				\$1,067,500	\$1,061,705
2045	\$785,093	\$44,798	\$1,380	\$831,272	\$35,236	\$154	\$2,545	\$37,936				\$869,208	\$865,282
2046	\$764,064	\$22,517	\$273	\$786,853	\$8,837	\$11	\$636	\$9,484				\$796,338	\$795,429
2047				\$0				\$0				\$0	\$0
2048				\$0				\$0				\$0	\$0
2049				\$0				\$0				\$0	\$0
2050				\$0				\$0				\$0	\$0
Totals	\$41,210,173	\$13,181,203	\$921,080	\$55,312,456	\$4,285,329	\$312,718	\$241,015	\$4,839,062	\$3,065,000	\$856,270	\$3,921,270	\$64,072,788	\$62,910,693

\* Does Not Include Administrative Expenses or DSRF Deposit Requirements as are Operating Expenses.

MAX P&I: \$3,177,570

**Debt Service Structure Report - City of Charles Town Waterworks and Sewerage Systems**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
FY Ending June 30	Series 1987 B Bonds	Series 1988 B-1 Bonds	Series 1988 B-2 Bonds	Series 1989 B Bonds	Series 1998 Bonds	Series 2000 A Bonds	Series 2002 A Bonds	Series 2002 B Bonds	Series 2010 A Bonds	Series 2010 B Bonds	Series 2010 C Bonds	Series 2010 D Bonds
2018	\$10,885	\$7,588	\$14,308	\$3,012	\$26,600	\$192,320	\$72,268	\$93,506	\$55,468	\$6,080	\$41,668	\$16,668
2019	\$10,885	\$7,588	\$14,308	\$3,012	\$26,601	\$192,320	\$72,235	\$93,506	\$55,466	\$6,078	\$41,668	\$16,668
2020	\$10,885	\$7,588	\$14,308	\$3,012	\$6,650	\$192,320	\$72,199	\$93,506	\$55,467	\$6,078	\$41,668	\$16,668
2021	\$10,885	\$7,588	\$14,308	\$3,012		\$192,320	\$72,162	\$93,506	\$55,467	\$6,079	\$41,668	\$16,668
2022	\$10,885	\$7,588	\$14,308	\$3,012		\$96,160	\$72,122	\$93,506	\$55,468	\$6,079	\$41,668	\$16,668
2023	\$10,885	\$7,588	\$14,308	\$3,012			\$72,079	\$93,506	\$55,467	\$6,079	\$41,668	\$16,668
2024	\$10,885	\$7,588	\$14,308	\$3,012			\$72,036	\$93,506	\$55,466	\$6,080	\$41,668	\$16,668
2025	\$10,885	\$7,588	\$14,308	\$3,012			\$71,988	\$93,506	\$55,466	\$6,079	\$41,668	\$16,668
2026	\$10,885	\$7,588	\$14,308	\$3,012			\$71,938	\$93,506	\$55,467	\$6,079	\$41,668	\$16,668
2027	\$10,885	\$7,588	\$14,308	\$3,012			\$71,886	\$93,506	\$55,466	\$6,078	\$41,668	\$16,668
2028		\$7,588	\$14,308	\$3,012			\$71,831	\$93,506	\$55,466	\$6,078	\$41,668	\$16,668
2029		\$7,572	\$14,296	\$3,012			\$71,772	\$93,506	\$55,466	\$6,079	\$41,668	\$16,668
2030				\$3,012			\$71,710	\$93,506	\$55,467	\$6,079	\$41,668	\$16,668
2031							\$71,643	\$93,506	\$41,601	\$4,559	\$41,667	\$16,667
2032							\$71,573	\$93,506			\$41,664	\$16,664
2033							\$71,500	\$93,506			\$41,664	\$16,664
2034							\$71,422	\$93,506			\$41,664	\$16,664
2035							\$71,339	\$93,506			\$41,664	\$16,664
2036							\$71,252	\$93,506			\$41,664	\$16,664
2037							\$71,160	\$93,506			\$41,664	\$16,664
2038							\$71,062	\$93,506			\$41,664	\$16,664
2039							\$70,959	\$93,506			\$41,664	\$16,664
2040							\$70,849	\$93,506			\$41,664	\$16,664
2041								\$93,506			\$41,665	\$16,665
2042								\$93,506				
2043												
2044												
2045												
2046												
2047												
2048												
2049												
2050												
<b>Totals</b>	<b>\$108,850</b>	<b>\$91,040</b>	<b>\$171,684</b>	<b>\$39,160</b>	<b>\$59,851</b>	<b>\$865,441</b>	<b>\$1,648,983</b>	<b>\$2,337,662</b>	<b>\$762,667</b>	<b>\$83,584</b>	<b>\$999,992</b>	<b>\$399,992</b>

*Note: Debt Service Does Not Include Administrative Expenses or DSRF Deposit Requirements as are Operating Expenses.*

**Debt Service Structure Report - City of Charles Town Waterworks and Sewerage Systems**

(A)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)
			( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )
FY	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Total
Ending	2011 A	2013 A	2013 B	2014 A	2014 C	2014 D	2014 E	2015 A	2015 B	2016 A	2016 B	Payments
June 30	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	
2018	\$250,373	\$21,262	\$193,550	\$145,781	\$65,050	\$145,388	\$151,040	\$206,913	\$423,125	\$428,631	\$127,825	\$2,699,308
2019	\$250,373	\$21,263	\$191,750	\$145,783	\$64,175	\$147,688	\$152,590	\$209,163	\$426,625	\$430,431	\$127,825	\$2,708,000
2020	\$250,373	\$21,261	\$189,763	\$145,781	\$68,038	\$143,888	\$148,990	\$206,713	\$425,813	\$432,791	\$152,825	\$2,706,583
2021	\$250,373	\$21,263	\$192,497	\$145,782	\$66,638	\$145,088	\$150,390	\$209,394	\$425,325	\$429,731	\$157,450	\$2,707,593
2022	\$250,373	\$21,261	\$190,141	\$145,782	\$65,238	\$145,588	\$146,640	\$206,675	\$423,900	\$431,331	\$257,000	\$2,701,392
2023	\$250,373	\$21,262	\$192,694	\$145,783	\$68,750	\$145,863	\$152,890	\$207,975	\$420,200	\$432,569	\$174,400	\$2,534,018
2024	\$250,373	\$21,262	\$190,156	\$145,782	\$67,175	\$145,913	\$148,840	\$208,400	\$424,475	\$428,429	\$173,400	\$2,525,422
2025	\$250,373	\$21,262	\$192,294	\$145,782	\$60,538	\$145,450	\$144,385	\$208,675	\$421,500	\$429,019	\$172,325	\$2,512,771
2026	\$250,373	\$21,262	\$189,106	\$145,782	\$63,731	\$144,750	\$149,930	\$203,875	\$423,150	\$428,469	\$176,250	\$2,517,798
2027	\$250,373	\$21,261	\$190,813	\$145,783	\$61,819	\$143,500		\$204,000	\$421,300	\$432,769	\$179,050	\$2,371,733
2028	\$250,373	\$21,263	\$192,306	\$145,782	\$64,800	\$147,000		\$203,975	\$261,550	\$429,769	\$206,650	\$2,233,594
2029	\$250,373	\$21,261	\$188,694	\$145,782	\$67,569			\$208,275	\$263,900	\$431,569	\$248,050	\$2,135,512
2030	\$250,373	\$21,262	\$189,638	\$145,781	\$65,094			\$206,888		\$432,969	\$247,650	\$1,847,765
2031	\$250,373	\$21,262	\$190,013	\$145,781	\$67,363			\$205,325		\$432,844	\$247,050	\$1,829,654
2032	\$250,373	\$21,262	\$190,138	\$145,782	\$64,513			\$204,075		\$432,269	\$246,250	\$1,778,068
2033	\$250,373	\$21,262	\$190,013	\$145,783	\$66,544			\$208,075		\$431,244	\$250,250	\$1,786,877
2034	\$250,373	\$21,262	\$189,569	\$145,781						\$429,769	\$248,850	\$1,508,860
2035	\$250,373	\$21,262	\$188,803	\$145,781						\$432,844	\$247,250	\$1,509,486
2036	\$250,373	\$21,261	\$187,781	\$145,782						\$430,244	\$245,450	\$1,503,978
2037	\$250,373	\$21,262	\$186,503	\$145,782						\$432,194	\$248,450	\$1,507,558
2038	\$250,373	\$21,262	\$189,723	\$145,782						\$431,519	\$247,900	\$1,509,454
2039	\$250,373	\$21,261	\$187,435	\$145,782						\$430,494	\$247,200	\$1,505,338
2040	\$250,373	\$21,262	\$189,750	\$145,783						\$429,119	\$246,350	\$1,505,319
2041	\$250,373	\$21,262	\$186,668	\$145,781						\$432,394	\$250,350	\$1,438,664
2042		\$21,261	\$188,188	\$145,782						\$430,144	\$249,050	\$1,127,931
2043		\$21,262	\$189,178	\$145,782						\$432,094	\$247,600	\$1,035,915
2044		\$21,262	\$184,770	\$145,782						\$428,500	\$246,000	\$1,026,313
2045		\$5,316		\$145,782						\$429,544	\$249,250	\$829,891
2046				\$109,337						\$430,044	\$247,200	\$786,581
2047												\$0
2048												\$0
2049												\$0
2050												\$0
<b>Totals</b>	<b>\$6,008,949</b>	<b>\$579,384</b>	<b>\$5,121,929</b>	<b>\$4,191,229</b>	<b>\$1,047,031</b>	<b>\$1,600,113</b>	<b>\$1,345,695</b>	<b>\$3,308,394</b>	<b>\$4,760,863</b>	<b>\$12,493,733</b>	<b>\$6,365,150</b>	<b>\$54,391,376</b>
											<b>MAX P&amp;I:</b>	<b>\$2,708,000</b>

**Debt Service Structure Report - City of Charles Town Waterworks System Portion**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
FY Ending June 30	Series 1987 B Bonds	Series 1988 B-1 Bonds	Series 1988 B-2 Bonds	Series 1989 B Bonds	Series 1998 Bonds	Series 2000 A Bonds	Series 2002 A Bonds	Series 2002 B Bonds	Series 2010 A Bonds	Series 2010 B Bonds	Series 2010 C Bonds	Series 2010 D Bonds
2018	\$10,885		\$14,308	\$3,012			\$72,268	\$93,506	\$55,468	\$6,080		
2019	\$10,885		\$14,308	\$3,012			\$72,235	\$93,506	\$55,466	\$6,078		
2020	\$10,885		\$14,308	\$3,012			\$72,199	\$93,506	\$55,467	\$6,078		
2021	\$10,885		\$14,308	\$3,012			\$72,162	\$93,506	\$55,467	\$6,079		
2022	\$10,885		\$14,308	\$3,012			\$72,122	\$93,506	\$55,468	\$6,079		
2023	\$10,885		\$14,308	\$3,012			\$72,079	\$93,506	\$55,467	\$6,079		
2024	\$10,885		\$14,308	\$3,012			\$72,036	\$93,506	\$55,466	\$6,080		
2025	\$10,885		\$14,308	\$3,012			\$71,988	\$93,506	\$55,466	\$6,079		
2026	\$10,885		\$14,308	\$3,012			\$71,938	\$93,506	\$55,467	\$6,079		
2027	\$10,885		\$14,308	\$3,012			\$71,886	\$93,506	\$55,466	\$6,078		
2028			\$14,308	\$3,012			\$71,831	\$93,506	\$55,466	\$6,078		
2029			\$14,296	\$3,012			\$71,772	\$93,506	\$55,466	\$6,079		
2030				\$3,012			\$71,710	\$93,506	\$55,467	\$6,079		
2031							\$71,643	\$93,506	\$41,601	\$4,559		
2032							\$71,573	\$93,506				
2033							\$71,500	\$93,506				
2034							\$71,422	\$93,506				
2035							\$71,339	\$93,506				
2036							\$71,252	\$93,506				
2037							\$71,160	\$93,506				
2038							\$71,062	\$93,506				
2039							\$70,959	\$93,506				
2040							\$70,849	\$93,506				
2041								\$93,506				
2042								\$93,506				
2043												
2044												
2045												
2046												
2047												
2048												
2049												
2050												
<b>Totals</b>	<b>\$108,850</b>	<b>\$0</b>	<b>\$171,684</b>	<b>\$39,160</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,648,983</b>	<b>\$2,337,662</b>	<b>\$762,667</b>	<b>\$83,584</b>	<b>\$0</b>	<b>\$0</b>

Note: Debt Service Does Not Include Administrative Expenses or DSRF Deposit Requirements as are Operating Expenses. \$0 for Fiscal Year Ending June 30, 2018.

**Debt Service Structure Report - City of Charles Town Waterworks System Portion**

(A)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	
			( Public Mkt )		( Public Mkt )		( Public Mkt )		( Public Mkt )		( Public Mkt )		
FY	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Total	
Ending	2011 A	2013 A	2013 B	2014 A	2014 C	2014 D	2014 E	2015 A	2015 B	2016 A	2016 B	Payments	
June 30	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds		
2018			\$73,549		\$65,050		\$151,040	\$157,254	\$342,731	\$428,631		\$1,473,782	
2019			\$72,865		\$64,175		\$152,590	\$158,964	\$345,566	\$430,431		\$1,480,081	
2020			\$72,110		\$68,038		\$148,990	\$157,102	\$344,908	\$432,791		\$1,479,394	
2021			\$73,149		\$66,638		\$150,390	\$159,139	\$344,513	\$429,731		\$1,478,980	
2022			\$72,253		\$65,238		\$146,640	\$157,073	\$343,359	\$431,331		\$1,471,275	
2023			\$73,224		\$68,750		\$152,890	\$158,061	\$340,362	\$432,569		\$1,481,193	
2024			\$72,259		\$67,175		\$148,840	\$158,384	\$343,825	\$428,429		\$1,474,205	
2025			\$73,072		\$60,538		\$144,385	\$158,593	\$341,415	\$429,019		\$1,462,266	
2026			\$71,860		\$63,731		\$149,930	\$154,945	\$342,752	\$428,469		\$1,466,883	
2027			\$72,509		\$61,819			\$155,040	\$341,253	\$432,769		\$1,318,531	
2028			\$73,076		\$64,800			\$155,021	\$211,856	\$429,769		\$1,178,723	
2029			\$71,704		\$67,569			\$158,289	\$213,759	\$431,569		\$1,187,021	
2030			\$72,062		\$65,094			\$157,235		\$432,969		\$957,134	
2031			\$72,205		\$67,363			\$156,047		\$432,844		\$939,768	
2032			\$72,252		\$64,513			\$155,097		\$432,269		\$889,210	
2033			\$72,205		\$66,544			\$158,137		\$431,244		\$893,136	
2034			\$72,036							\$429,769		\$666,733	
2035			\$71,745							\$432,844		\$669,434	
2036			\$71,357							\$430,244		\$666,359	
2037			\$70,871							\$432,194		\$667,731	
2038			\$72,095							\$431,519		\$668,182	
2039			\$71,225							\$430,494		\$666,184	
2040			\$72,105							\$429,119		\$665,579	
2041			\$70,934							\$432,394		\$596,834	
2042			\$71,511							\$430,144		\$595,161	
2043			\$71,887							\$432,094		\$503,981	
2044			\$70,213							\$428,500		\$498,713	
2045										\$429,544		\$429,544	
2046										\$430,044		\$430,044	
2047												\$0	
2048												\$0	
2049												\$0	
2050												\$0	
<b>Totals</b>		\$0	\$0	\$1,946,333	\$0	\$1,047,031	\$0	\$1,345,695	\$2,514,379	\$3,856,299	\$12,493,733	\$0	\$28,356,060

MAX P&I: \$1,481,193



**Debt Service Structure Report - City of Charles Town Sewerage System Portion**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
FY Ending June 30	Series 1987 B Bonds	Series 1988 B-1 Bonds	Series 1988 B-2 Bonds	Series 1989 B Bonds	Series 1998 Bonds	Series 2000 A Bonds	Series 2002 A Bonds	Series 2002 B Bonds	Series 2010 A Bonds	Series 2010 B Bonds	Series 2010 C Bonds	Series 2010 D Bonds
2018		\$7,588			\$26,600	\$192,320					\$41,668	\$16,668
2019		\$7,588			\$26,601	\$192,320					\$41,668	\$16,668
2020		\$7,588			\$6,650	\$192,320					\$41,668	\$16,668
2021		\$7,588				\$192,320					\$41,668	\$16,668
2022		\$7,588				\$96,160					\$41,668	\$16,668
2023		\$7,588									\$41,668	\$16,668
2024		\$7,588									\$41,668	\$16,668
2025		\$7,588									\$41,668	\$16,668
2026		\$7,588									\$41,668	\$16,668
2027		\$7,588									\$41,668	\$16,668
2028		\$7,588									\$41,668	\$16,668
2029		\$7,572									\$41,668	\$16,668
2030											\$41,668	\$16,668
2031											\$41,667	\$16,667
2032											\$41,664	\$16,664
2033											\$41,664	\$16,664
2034											\$41,664	\$16,664
2035											\$41,664	\$16,664
2036											\$41,664	\$16,664
2037											\$41,664	\$16,664
2038											\$41,664	\$16,664
2039											\$41,664	\$16,664
2040											\$41,664	\$16,664
2041											\$41,665	\$16,665
2042												
2043												
2044												
2045												
2046												
2047												
2048												
2049												
2050												
<b>Totals</b>	<b>\$0</b>	<b>\$91,040</b>	<b>\$0</b>	<b>\$0</b>	<b>\$59,851</b>	<b>\$865,441</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$999,992</b>	<b>\$399,992</b>

Note: Debt Service Does Not Include Administrative Expenses or DSRF Deposit Requirements as are Operating Expenses. \$61,381 for Fiscal Year Ending June 30, 2018.

Debt Service Structure Report - City of Charles Town Sewerage System Portion

(A)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)
			( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	( Public Mkt )	Total
FY	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Series	Total
Ending	2011 A	2013 A	2013 B	2014 A	2014 C	2014 D	2014 E	2015 A	2015 B	2016 A	2016 B	Payments
June 30	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	Bonds	
2018	\$250,373	\$21,262	\$120,001	\$145,781		\$145,388		\$49,659	\$80,394		\$127,825	\$1,225,527
2019	\$250,373	\$21,263	\$118,885	\$145,783		\$147,688		\$50,199	\$81,059		\$127,825	\$1,227,918
2020	\$250,373	\$21,261	\$117,653	\$145,781		\$143,888		\$49,611	\$80,904		\$152,825	\$1,227,189
2021	\$250,373	\$21,263	\$119,348	\$145,782		\$145,088		\$50,255	\$80,812		\$157,450	\$1,228,614
2022	\$250,373	\$21,261	\$117,887	\$145,782		\$145,588		\$49,602	\$80,541		\$257,000	\$1,230,118
2023	\$250,373	\$21,262	\$119,470	\$145,783		\$145,863		\$49,914	\$79,838		\$174,400	\$1,052,826
2024	\$250,373	\$21,262	\$117,897	\$145,782		\$145,913		\$50,016	\$80,650		\$173,400	\$1,051,216
2025	\$250,373	\$21,262	\$119,222	\$145,782		\$145,450		\$50,082	\$80,085		\$172,325	\$1,050,505
2026	\$250,373	\$21,262	\$117,246	\$145,782		\$144,750		\$48,930	\$80,399		\$176,250	\$1,050,914
2027	\$250,373	\$21,261	\$118,304	\$145,783		\$143,500		\$48,960	\$80,047		\$179,050	\$1,053,201
2028	\$250,373	\$21,263	\$119,230	\$145,782		\$147,000		\$48,954	\$49,695		\$206,650	\$1,054,871
2029	\$250,373	\$21,261	\$116,990	\$145,782				\$49,986	\$50,141		\$248,050	\$948,491
2030	\$250,373	\$21,262	\$117,575	\$145,781				\$49,653			\$247,650	\$890,631
2031	\$250,373	\$21,262	\$117,808	\$145,781				\$49,278			\$247,050	\$889,886
2032	\$250,373	\$21,262	\$117,885	\$145,782				\$48,978			\$246,250	\$888,858
2033	\$250,373	\$21,262	\$117,808	\$145,783				\$49,938			\$250,250	\$893,741
2034	\$250,373	\$21,262	\$117,533	\$145,781							\$248,850	\$842,126
2035	\$250,373	\$21,262	\$117,058	\$145,781							\$247,250	\$840,051
2036	\$250,373	\$21,261	\$116,424	\$145,782							\$245,450	\$837,619
2037	\$250,373	\$21,262	\$115,632	\$145,782							\$248,450	\$839,827
2038	\$250,373	\$21,262	\$117,628	\$145,782							\$247,900	\$841,273
2039	\$250,373	\$21,261	\$116,210	\$145,782							\$247,200	\$839,154
2040	\$250,373	\$21,262	\$117,645	\$145,783							\$246,350	\$839,740
2041	\$250,373	\$21,262	\$115,734	\$145,781							\$250,350	\$841,830
2042		\$21,261	\$116,676	\$145,782							\$249,050	\$532,770
2043		\$21,262	\$117,290	\$145,782							\$247,600	\$531,934
2044		\$21,262	\$114,557	\$145,782							\$246,000	\$527,601
2045		\$5,316		\$145,782							\$249,250	\$400,348
2046				\$109,337							\$247,200	\$356,537
2047												\$0
2048												\$0
2049												\$0
2050												\$0
Totals	\$6,008,949	\$579,384	\$3,175,596	\$4,191,229	\$0	\$1,600,113	\$0	\$794,015	\$904,564	\$0	\$6,365,150	\$26,035,316
											MAX P&I:	\$1,230,118

**Debt Service Structure Report - Jefferson County Waterworks and Sewerage Systems**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
	( Public Mkt )	( Public Mkt )									( Public Mkt )		
FY Ending June 30	Series 2010 A Bonds	Series 2013 A Bonds	Series 2015 Jr Bonds	Series 2018 A-1 Bonds	Series 2018 A-2 Bonds	Series 2018 A-3 Bonds	Series 2018 A-4 Bonds	Series 2018 A-5 Bonds	Series 2018 A-6 Bonds	Series 2018 A-7 Bonds	Series 2018 B Bonds	Future Flowing Springs Bonds	Total Payments
2018	\$150,894	\$145,100	\$56,372	\$10,917	\$29,952		\$12,612	\$38,496	\$66,836	\$35,391			\$546,569
2019*	\$122,116	\$21,050	\$28,186	\$10,917	\$29,952		\$12,612	\$38,496	\$66,834	\$35,390	\$39,970		\$405,523
2020				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832	\$35,390	\$268,438		\$470,987
2021				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832	\$35,391	\$264,500		\$467,050
2022				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832	\$35,391	\$265,125		\$467,675
2023				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832	\$35,391	\$265,625		\$468,175
2024				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832	\$35,390	\$265,538		\$468,087
2025				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832	\$35,390	\$265,313		\$467,862
2026				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832	\$35,390	\$269,463		\$472,012
2027				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832	\$35,389	\$268,313		\$470,861
2028				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832	\$35,391	\$267,013		\$469,563
2029				\$10,921		\$38,303	\$12,612	\$38,496	\$66,832	\$35,390	\$265,563		\$468,116
2030						\$38,303	\$9,459	\$38,496	\$66,832	\$35,391	\$283,413		\$471,893
2031						\$38,303		\$38,496	\$66,832	\$35,390	\$290,450		\$469,471
2032						\$38,303		\$19,248	\$66,832	\$35,391	\$311,350		\$471,123
2033						\$38,303			\$66,832	\$35,390	\$331,200		\$471,725
2034						\$38,303			\$66,832	\$35,391			\$140,525
2035						\$38,303			\$66,832	\$35,390			\$140,524
2036						\$38,303			\$66,832	\$35,390			\$140,524
2037						\$38,303			\$66,832	\$35,391			\$140,526
2038						\$38,303			\$66,832	\$35,391			\$140,525
2039									\$33,416	\$35,390			\$68,806
2040										\$35,391			\$35,391
2041										\$35,391			\$35,391
2042										\$35,391			\$35,391
2043										\$35,391			\$35,391
2044										\$35,392			\$35,392
2045										\$35,390			\$35,390
2046										\$8,848			\$8,848
2047													\$0
2048													\$0
2049													\$0
2050													\$0
Totals	\$273,009	\$166,150	\$84,558	\$131,008	\$59,904	\$727,748	\$160,803	\$558,192	\$1,436,894	\$999,780	\$3,921,270	\$0	\$8,519,317

Note: Debt Service Does Not Include Administrative Expenses or DSRF Deposit Requirements as are Operating Expenses.

MAX P&I: \$472,012

\*Debt Service Amounts for the Series 2010A, 2013A and 2015 JR Bonds assumes payments made through Decemeber 1, 2018.

**Debt Service Structure Report - Jefferson County Waterworks System Portion**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	
	( Public Mkt )	( Public Mkt )									( Public Mkt )			
FY Ending June 30	Series 2010 A Bonds	Series 2013 A Bonds	Series 2015 Jr Bonds	Series 2018 A-1 Bonds	Series 2018 A-2 Bonds	Series 2018 A-3 Bonds	Series 2018 A-4 Bonds	Series 2018 A-5 Bonds	Series 2018 A-6 Bonds	Series 2018 A-7 Bonds	Series 2018 B Bonds	Future Flowing Springs Bonds	Total Payments	
2018										\$35,391			\$35,391	
2019										\$35,390			\$35,390	
2020										\$35,390			\$35,390	
2021										\$35,391			\$35,391	
2022										\$35,391			\$35,391	
2023										\$35,391			\$35,391	
2024										\$35,390			\$35,390	
2025										\$35,390			\$35,390	
2026										\$35,390			\$35,390	
2027										\$35,389			\$35,389	
2028										\$35,391			\$35,391	
2029										\$35,390			\$35,390	
2030										\$35,391			\$35,391	
2031										\$35,390			\$35,390	
2032										\$35,391			\$35,391	
2033										\$35,390			\$35,390	
2034										\$35,391			\$35,391	
2035										\$35,390			\$35,390	
2036										\$35,390			\$35,390	
2037										\$35,391			\$35,391	
2038										\$35,391			\$35,391	
2039										\$35,390			\$35,390	
2040										\$35,391			\$35,391	
2041										\$35,391			\$35,391	
2042										\$35,391			\$35,391	
2043										\$35,391			\$35,391	
2044										\$35,392			\$35,392	
2045										\$35,390			\$35,390	
2046										\$8,848			\$8,848	
2047													\$0	
2048													\$0	
2049													\$0	
2050													\$0	
<b>Totals</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$999,780	\$0	\$0	\$999,780

Note: Debt Service Does Not Include Administrative Expenses or DSRF Deposit Requirements as are Operating Expenses. \$2,545 for Fiscal Year Ending June 30, 2018.

MAX P&I: \$35,392

**Debt Service Structure Report - Jefferson County Sewerage System Portion**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
	( Public Mkt )	( Public Mkt )									( Public Mkt )		
FY Ending June 30	Series 2010 A Bonds	Series 2013 A Bonds	Series 2015 Jr Bonds	Series 2018 A-1 Bonds	Series 2018 A-2 Bonds	Series 2018 A-3 Bonds	Series 2018 A-4 Bonds	Series 2018 A-5 Bonds	Series 2018 A-6 Bonds	Series 2018 A-7 Bonds	Series 2018 B Bonds	Future Flowing Springs Bonds	Total Payments
2018	\$150,894	\$145,100	\$56,372	\$10,917	\$29,952		\$12,612	\$38,496	\$66,836				\$511,179
2019*	\$122,116	\$21,050	\$28,186	\$10,917	\$29,952		\$12,612	\$38,496	\$66,834		\$39,970		\$370,133
2020				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832		\$268,438		\$435,597
2021				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832		\$264,500		\$431,660
2022				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832		\$265,125		\$432,285
2023				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832		\$265,625		\$432,785
2024				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832		\$265,538		\$432,697
2025				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832		\$265,313		\$432,472
2026				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832		\$269,463		\$436,622
2027				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832		\$268,313		\$435,472
2028				\$10,917		\$38,303	\$12,612	\$38,496	\$66,832		\$267,013		\$434,172
2029				\$10,921		\$38,303	\$12,612	\$38,496	\$66,832		\$265,563		\$432,726
2030						\$38,303	\$9,459	\$38,496	\$66,832		\$283,413		\$436,502
2031						\$38,303		\$38,496	\$66,832		\$290,450		\$434,081
2032						\$38,303		\$19,248	\$66,832		\$311,350		\$435,733
2033						\$38,303			\$66,832		\$331,200		\$436,335
2034						\$38,303			\$66,832				\$105,135
2035						\$38,303			\$66,832				\$105,135
2036						\$38,303			\$66,832				\$105,135
2037						\$38,303			\$66,832				\$105,135
2038						\$38,303			\$66,832				\$105,135
2039									\$33,416				\$33,416
2040													\$0
2041													\$0
2042													\$0
2043													\$0
2044													\$0
2045													\$0
2046													\$0
2047													\$0
2048													\$0
2049													\$0
2050													\$0
<b>Totals</b>	<b>\$273,009</b>	<b>\$166,150</b>	<b>\$84,558</b>	<b>\$131,008</b>	<b>\$59,904</b>	<b>\$727,748</b>	<b>\$160,803</b>	<b>\$558,192</b>	<b>\$1,436,894</b>	<b>\$0</b>	<b>\$3,921,270</b>	<b>\$0</b>	<b>\$7,519,536</b>

Note: Debt Service Does Not Include Administrative Expenses or DSRF Deposit Requirements as are Operating Expenses. \$11,952 for Fiscal Year Ending June 30, 2018.

\*Debt Service Amounts for the Series 2010A, 2013A and 2015 JR Bonds assumes payments made through Decemeber 1, 2018.

MAX P&I: \$436,622