

Sum of PERCENT_AMT								
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total		
2013	108796	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108797	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108798	Supv, AWU Electrical	1	5020	6043	44		
				5030	8043	56		
	108799	I & C Technician II	1	5020	6044	44		
				5030	8044	56		
	108800	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108801	I & C Technician II	1	5020	6044	44		
				5030	8044	56		
	108802	I & C Technician II	1	5020	6044	44		
				5030	8044	56		
	108803	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108804	Engineering Associate A	1	5020	6045	100		
	108805	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108806	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108807	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108808	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108809	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108810	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	108811	Engineer, Graduate B	1	5020	6420	25		
				5020	6422	25		
				5030	8420	25		

Sum of PERCENT_AMT						
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total
2013	108811	Engineer, Graduate B	1	5030	8422	25
	108812	Supt, I & C	1	5020	6044	44
				5030	8044	56
	108813	I & C Technician II	1	5020	6044	44
				5030	8044	56
	108814	Supv, I & C	1	5020	6044	44
				5030	8044	56
	108815	I & C Technician II	1	5020	6044	44
				5030	8044	56
	108816	Supt, Electrical	1	5020	6043	44
				5030	8043	56
	108820	System Support Technician	1	5020	6004	50
				5030	8004	50
	108822	I & C Technician II	1	5020	6044	44
				5030	8044	56
	108825	Treatment O & M Tech Senior	1	5030	8031	100
	108843	Administrative Senior	1	5020	6244	50
				5030	8644	50
	108844	Administrative Specialist	1	5020	6211	50
				5030	8217	50
	108845	Supv, I & C	1	5020	6044	44
				5030	8044	56
	108846	I & C Technician II	1	5020	6044	44
				5030	8044	56
	108851	Business Systems Analyst Sr	1	5020	6417	50
				5030	8417	50
	108863	AWU Pipeline Technician Sr	1	5030	8447	100
	108864	Water Meter Technician Asst	1	5020	6241	70
					6246	30
	108941	I & C Technician II	1	5020	6044	44
				5030	8044	56
	108951	I & C Technician II	1	5020	6044	44

Sum of PERCENT_AMT							Total	
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT			
2013	108951	I & C Technician II	1	5030	8044		56	
	108956	Supv, Water System O&M	1	5020	6042		100	
	109018	Mgr, Facilities Planning	1	5020	6722		50	
				5030	8622		50	
	109022	Mgr, Utility Financial	1	5020	6244		12	
					6245		42	
				5030	8644		8	
					8645		38	
	109033	Engineering Technician B	0.5	5020	6411		60	
				5030	8411		40	
	109034	Engineering Technician B	0.5	5020	6411		60	
				5030	8411		40	
	109036	Utility Account Specialist	1	5020	6244		50	
				5030	8644		50	
	109037	Supv, Administrative	1	5020	6211		50	
				5030	8217		50	
	109039	Performance Consultant	1	5020	6622		50	
				5030	8722		50	
	109040	Human Resources Advisor	1	5020	6622		50	
				5030	8722		50	
	109042	Human Resources Specialist	1	5020	6622		50	
				5030	8722		50	
	109043	Coord, Stores	1	5020	6032		100	
	109045	Business Process Consultant	1	5020	6622		50	
				5030	8722		50	
	109047	Technical Trainer	1	5020	6640		50	
				5030	8740		50	
	109048	Supv, Human Resources	1	5020	6621		50	
				5030	8721		50	
	109049	Business Systems Analyst Sr	1	5020	6721		50	
				5030	8621		50	
	109050	Survey Technician	1	5020	6431		50	

Sum of PERCENT_AMT						
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total
2013	109050	Survey Technician	1	5030	8431	50
	109051	Contract Compliance Spec Sr	1	5020	6613	50
				5030	8613	50
	109052	Mgr, Contract Compliance	1	5020	6613	50
				5030	8613	50
	109053	Contract Compliance Spec Sr	1	5020	6613	50
				5030	8613	50
	109056	Contract Compliance Associate	1	5020	6248	50
				5030	8248	50
	109057	Mgr, Util Budget and Fin	1	5020	6721	50
				5030	8621	50
	109058	Utility Financial Analyst Sr	1	5020	6712	50
				5030	8612	50
	109059	Mgr, Utility Financial	1	5020	6712	50
				5030	8612	50
	109060	Utility Financial Analyst Sr	0.75	5020	6712	50
				5030	8612	50
	109061	Human Resources Advisor	1	5020	6623	50
				5030	8723	50
	109062	Human Resources Advisor	1	5020	6623	50
				5030	8723	50
109063	Supv, Human Resources	1	5020	6623	50	
			5030	8723	50	
109064	AWU Pipeline Technician Sr	1	5030	8447	100	
109065	Human Resources Advisor	1	5020	6623	50	
			5030	8723	50	
109066	AWU Pipeline Technician Sr	1	5020	6231	100	
109067	AWU Pipeline Technician Sr	1	5020	6231	100	
109068	Administrative Senior	1	5020	6211	50	
			5030	8217	50	
109069	AWU Pipeline Technician Sr	1	5020	6231	100	
109071	Supv, AWU Pipeline Technician	1	5030	8442	100	

Sum of PERCENT_AMT								
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total		
2013	109072	AWU Pipeline Technician Sr	1	5030	8231	100		
	109073	AWU Pipeline Technician Sr	1	5020	6231	100		
	109074	AWU Pipeline Technician Sr	1	5030	8231	100		
	109075	Supv, AWU Pipeline Technician	1	5020	6212	100		
	109076	Supv, AWU Pipeline Technician	1	5030	8447	100		
	109077	Water Meter Technician Asst	1	5020	6241	100		
	109078	AWU Pipeline Technician Sr	1	5030	8442	90		
					8447	10		
	109079	AWU Pipeline Technician Sr	1	5030	8443	100		
	109080	AWU Pipeline Technician Sr	1	5030	8231	100		
	109081	AWU Dispatcher	1	5020	6214	50		
				5030	8214	50		
	109082	Supt, Pipeline Maintenance	1	5030	8231	100		
	109083	Water Meter Technician Asst	1	5020	6241	100		
	109084	AWU Pipeline Technician Sr	1	5020	6221	50		
					6225	50		
	109085	Conservation Program Spec	1	5020	6805	100		
	109086	Supv, AWU Pipeline Technician	1	5020	6416	50		
				5030	8410	50		
	109087	AWU Pipeline Technician Sr	1	5020	6243	50		
				5030	8243	50		
	109088	Supv, AWU Pipeline Technician	1	5020	6231	100		
	109089	Div Mgr, Pipeline Maintenance	1	5030	8442	50		
					8443	50		
	109091	AWU Pipeline Technician Sr	1	5020	6231	100		
	109092	AWU Pipeline Technician Sr	1	5020	6232	100		
	109093	AWU Pipeline Technician Sr	1	5030	8231	100		
	109094	AWU Pipeline Technician Sr	1	5020	6232	100		
	109095	AWU Pipeline Technician Sr	1	5030	8442	90		
					8447	10		
	109096	AWU Pipeline Technician Sr	1	5020	6243	50		
				5030	8243	50		

Sum of PERCENT_AMT							Total	
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT			
2013	109097	AWU Pipeline Technician Sr	1	5020	6218		50	
				5030	8212		50	
	109098	AWU Pipeline Technician Sr	1	5020	6212		100	
	109100	AWU Pipeline Technician Sr	1	5030	8231		100	
	109101	AWU Pipeline Technician Sr	1	5020	6231		100	
	109102	AWU Pipeline Technician Sr	1	5030	8231		100	
	109103	AWU Pipeline Technician Sr	1	5030	8231		100	
	109105	Supv, Treatment Plant Maint	1	5030	8033		100	
	109106	AWU Pipeline Technician Sr	1	5020	6231		100	
	109107	AWU Pipeline Technician Sr	1	5020	6212		100	
	109108	AWU Pipeline Technician Sr	1	5020	6223		100	
	109109	Engineering Associate C	1	5020	6215		100	
	109110	Conservation Program Spec	1	5020	6805		100	
	109111	Coord, Project	1	5020	6431		50	
				5030	8431		50	
	109112	AWU Pipeline Technician Sr	1	5020	6221		45	
					6225		45	
					6246		10	
	109113	AWU Pipeline Technician Sr	1	5030	8447		100	
	109114	AWU Pipeline Technician Sr	1	5020	6223		100	
	109115	AWU Pipeline Technician Sr	1	5020	6232		100	
	109116	AWU Pipeline Technician Sr	1	5020	6212		100	
	109117	AWU Pipeline Technician Sr	1	5020	6223		100	
	109118	Equipment Technician II	1	5030	8442		100	
	109119	AWU Pipeline Technician Sr	1	5020	6231		100	
	109120	Administrative Specialist	1	5020	6606		50	
					6607		50	
	109121	AWU Pipeline Technician Sr	1	5020	6212		100	
	109122	Engineering Associate C	1	5030	8440		100	
	109123	Supv, AWU Pipeline Technician	1	5020	6231		100	
	109124	Supv, AWU Pipeline Technician	1	5030	8231		100	
	109125	Supv, AWU Pipeline Technician	1	5030	8231		100	

Sum of PERCENT_AMT						
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total
2013	109126	Supv, AWU Pipeline Technician	1	5030	8231	100
	109127	Administrative Senior	1	5020	6712	50
				5030	8612	50
	109128	AWU Pipeline Technician Sr	1	5020	6231	100
	109129	AWU Pipeline Technician Sr	1	5020	6212	100
	109130	Water Meter Technician Asst	1	5020	6241	100
	109131	AWU Pipeline Technician Sr	1	5020	6231	100
	109132	Customer Service Rep Sr	1	5020	6211	50
				5030	8217	50
	109133	AWU Pipeline Technician Sr	1	5030	8231	100
	109134	AWU Pipeline Technician Sr	1	5020	6231	100
	109135	AWU Pipeline Technician Sr	1	5020	6231	100
	109136	Supv, Customer Service	1	5020	6214	50
				5030	8214	50
	109137	Regulatory Auditor Senior	1	5020	6609	50
				5030	8609	50
	109138	Programmer Analyst Sr	1	5020	6731	50
				5030	8631	50
	109139	Water Protection Specialist	1	5020	6222	100
	109140	Water Protection Specialist	1	5020	6222	100
109141	Supv, Water Protection	1	5020	6222	100	
109142	Pretreatment Complnc Spec	1	5030	8221	100	
109143	Water Protection Specialist	1	5020	6222	100	
109144	AWU Pipeline Technician Sr	1	5020	6221	45	
				6225	45	
				6246	10	
109145	Accountant Associate	1	5020	6211	50	
				5030	8217	50
109146	AWU Pipeline Technician Sr	1	5030	8231	100	
109147	Prgm Mgr, Environmental Conser	1	5020	6606	50	
				6607	50	
109148	Engineer C	1	5020	6420	50	

Sum of PERCENT_AMT						
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total
2013	109148	Engineer C	1	5030	8420	50
	109149	Engineer A	1	5030	8440	100
	109150	Mgr, Project	1	5020	6411	70
				5030	8411	30
	109151	Engineering Technician C	1	5030	8440	100
	109152	Div Mgr, Pipeline Maintenance	1	5020	6231	100
	109153	Engineer, Supervising	1	5020	6431	50
				5030	8431	50
	109154	Engineer C	1	5030	8440	100
	109155	Supv, AWU SCADA Analyst	1	5020	6420	24
					6422	25
				5030	8420	26
					8422	25
	109156	Engineer C	1	5020	6215	100
	109157	Engineer C	1	5020	6411	30
				5030	8411	70
	109158	Engineer C	1	5020	6420	50
					6422	50
	109159	Engineer C	1	5020	6420	50
				5030	8420	50
109160	Engineer C	1	5020	6422	49	
			5030	8422	51	
109162	Engineer C	1	5020	6420	50	
				6422	50	
109163	Mgr, Project	1	5020	6420	49	
			5030	8420	51	
109164	Utility Account Analyst	1	5020	6245	50	
			5030	8645	50	
109165	AWU Pipeline Technician Sr	1	5020	6221	45	
				6225	45	
				6246	10	
109166	AWU Pipeline Technician Sr	1	5020	6231	100	

Sum of PERCENT_AMT								
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total		
2013	109168	AWU Pipeline Technician Sr	1	5020	6218	50		
				5030	8212	50		
	109169	AWU Pipeline Technician Sr	1	5020	6218	50		
				5030	8212	50		
	109170	Administrative Specialist	1	5020	6640	50		
				5030	8740	50		
	109171	Water Meter Technician Asst	1	5020	6241	100		
	109172	Supv, AWU Pipeline Technician	1	5030	8442	100		
	109173	AWU Pipeline Technician Sr	1	5020	6231	100		
	109174	Supv, AWU Pipeline Technician	1	5020	6221	45		
					6225	45		
					6246	10		
	109179	Scheduler Analyst	1	5020	6416	50		
				5030	8410	50		
	109180	Utility Account Specialist	1	5020	6245	50		
				5030	8645	50		
	109181	Meter Services Investigator	1	5020	6245	50		
				5030	8645	50		
	109182	Supv, AWU Pipeline Technician	1	5020	6416	70		
				5030	8410	30		
	109183	AWU Pipeline Technician Sr	1	5020	6416	70		
				5030	8410	30		
	109184	Engineer C	1	5030	8440	100		
	109185	Program Specialist	1	5020	6610	50		
				5030	8610	50		
	109186	AWU Pipeline Technician Sr	1	5020	6416	50		
				5030	8410	50		
	109187	AWU Pipeline Technician Sr	1	5030	8442	90		
					8447	10		
	109188	Supt, Pipeline Maintenance	1	5020	6225	100		
	109189	Supv, AWU Pipeline Technician	1	5020	6231	100		
	109190	AWU Pipeline Technician Sr	1	5020	6416	50		

Sum of PERCENT_AMT						
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total
2013	109190	AWU Pipeline Technician Sr	1	5030	8410	50
	109192	AWU Pipeline Technician Sr	1	5030	8443	90
					8447	10
	109193	AWU Pipeline Technician Sr	1	5020	6212	100
	109194	AWU Pipeline Technician Sr	1	5020	6243	60
				5030	8243	40
	109195	Engineering Associate C	1	5020	6411	30
				5030	8411	70
	109196	Supv, AWU Pipeline Technician	1	5020	6231	100
	109197	Asst Dir, Envrnmtl Aff & Conse	1	5020	6608	50
				5030	8607	50
	109198	Accountant Associate	1	5020	6615	50
				5030	8615	50
	109199	Treatment Plant Worker	1	5020	6042	100
	109200	Water System O & M Tech Sr	1	5020	6045	100
	109201	Water System O & M Tech Sr	1	5020	6042	100
	109202	Water System O & M Tech Sr	1	5020	6042	100
	109203	Supv, Water System O&M	1	5020	6042	100
	109589	WQ Microbiologist	1	5030	8063	100
	109590	WQ Chemist	1	5030	8063	100
	109591	Ofcr, Quality Assurance	1	5020	6050	34
				5030	8061	33
					8063	33
	109592	WQ Chemist Senior	1	5030	8061	100
	109593	Supv, Laboratory Services	1	5030	8063	100
	109594	WQ Microbiologist	1	5030	8061	100
	109595	WQ Microbiologist	1	5030	8063	100
	109596	WQ Chemist	1	5030	8063	100
	109597	WQ Microbiologist Sr	1	5030	8063	100
	109598	Treatment Plant Worker	1	5030	8052	100
	109599	Utility Financial Analyst Sr	1	5020	6712	50
				5030	8612	50

Sum of PERCENT_AMT						
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total
2013	109600	I & C Technician II	1	5020	6044	44
				5030	8044	56
	109601	Water System O & M Tech Sr	1	5020	6045	100
	109602	Prgm Coord, Environmental	1	5020	6608	50
				5030	8607	50
	109603	Treatment Plant Equip Operator	1	5020	6042	100
	109604	Water System O & M Tech Sr	1	5020	6045	100
	109605	Water System O & M Tech Sr	1	5020	6042	100
	109606	Treatment Plant Worker	1	5030	8052	100
	109738	Purchasing Technician	1	5030	8051	100
	109740	Human Resources Generalist	1	5020	6621	50
				5030	8721	50
	109741	Administrative Senior	1	5020	6248	50
				5030	8248	50
	109742	Administrative Specialist	1	5020	6412	35
				5030	8412	35
					8415	30
	109743	Administrative Senior	1	5020	6211	50
				5030	8217	50
	109744	Business Systems Analyst	1	5020	6731	50
				5030	8631	50
	109818	Mgr, Regulatory Audit	1	5020	6609	50
				5030	8609	50
	109822	AWU Electrician II	1	5020	6420	25
					6422	25
					5030	8420
				8422	25	
109823	Coord, Program	1	5020	6211	50	
			5030	8217	50	
109824	Engineer, Graduate A	1	5030	8440	100	
109825	WQ Chemist	1	5030	8061	100	
109826	Prgm Mgr, Fleet	1	5020	6712	50	

Sum of PERCENT_AMT						
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total
2013	109826	Prgm Mgr, Fleet	1	5030	8612	50
	109830	Utility Financial Analyst Sr	1	5020	6711	50
				5030	8611	50
	109890	Business Systems Analyst Sr	1	5020	6721	50
				5030	8621	50
	109891	Contract Compliance Spec Sr	1	5020	6613	50
				5030	8613	50
	109954	Biologist	1	5020	6606	50
					6607	50
	109959	Engineer C	1	5020	6440	100
	110018	Land Mgmt Ranger	1	5020	6606	50
					6607	50
	110138	Prgm Mgr, Environmental Conser	1	5020	6606	50
					6607	50
	110139	Land Mgmt Ranger	1	5020	6606	50
					6607	50
	110141	Biologist	1	5020	6606	50
					6607	50
	110142	Biologist	1	5020	6606	50
					6607	50
110314	AWU Pipeline Technician Sr	1	5020	6221	50	
				6225	50	
110316	Supv, AWU Pipeline Technician	1	5030	8231	100	
110317	AWU Pipeline Technician Sr	1	5020	6231	100	
110318	AWU Pipeline Technician Sr	1	5030	8231	100	
110319	AWU Pipeline Technician Sr	1	5030	8442	90	
				8447	10	
110320	AWU Pipeline Technician Sr	1	5020	6231	100	
110321	AWU Pipeline Technician Sr	1	5030	8447	100	
110322	AWU Pipeline Technician Sr	1	5020	6231	100	
110323	Supv, Pretreatment Compliance	1	5030	7748	20	
				8221	80	

Sum of PERCENT_AMT						
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total
2013	110324	Pretreatment Complnc Tech Sr	1	5030	8221	100
	110921	Mgr, Utility Financial	1	5020	6615	50
				5030	8615	50
	111054	Administrative Assistant	1	5020	6805	100
	111382	Environmental Conserv Info Spc	1	5020	6606	50
					6607	50
	111394	Administrative Specialist	1	5020	6606	50
					6607	50
	112980	Building & Grounds Specialist	1	5020	6248	50
				5030	8248	50
	112981	Engineer C	1	5020	6608	50
				5030	8607	50
	112982	Engineer, Graduate A	1	5020	6420	100
	112983	Biologist	1	5020	6606	50
					6607	50
	112984	Prgm Coord, Conservation	1	5020	6606	50
					6607	50
	112985	Accountant Associate	1	5020	6615	50
				5030	8615	50
	112986	Pretreatment Complnc Tech Sr	1	5030	8221	100
	112987	Environmental Cmplnc Spec Sr	1	5030	8415	100
	112988	Environmental Cmplnc Spec Sr	1	5020	6412	50
				5030	8412	50
	113003	Engineer A	1	5020	6420	50
					6422	50
	113004	Building & Grounds Specialist	1	5020	6248	50
				5030	8248	50
	113005	Water Protection Specialist	1	5020	6222	100
	113029	Treatment Plant Worker	1	5030	8052	100
	113119	AWU Pipeline Technician Sr	1	5020	6223	50
					6246	50
	113120	AWU Pipeline Technician Sr	1	5020	6221	45

Sum of PERCENT_AMT								
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total		
2013	113120	AWU Pipeline Technician Sr	1	5020	6225	45		
					6246	10		
	113121	AWU Pipeline Technician Sr	1	5020	6221	50		
					6225	50		
	114155	Technical Trainer	1	5020	6640	50		
				5030	8740	50		
	114157	Mgr, Project	1	5020	6411	60		
				5030	8411	40		
	114158	Engineer C	1	5020	6431	50		
				5030	8431	50		
	114159	Utility Account Analyst	1	5020	6242	50		
				5030	8642	50		
	114160	Business Process Consultant Sr	1	5020	6617	50		
				5030	8617	50		
	114161	Business Process Consultant Sr	1	5020	6617	50		
				5030	8617	50		
	114162	Prgm Coord, Conservation	1	5020	6805	100		
	114163	Conservation Program Spec	1	5020	6805	100		
	114164	Research Analyst Senior	1	5020	6805	100		
	114165	Public Information Spec	1	5020	6611	50		
				5030	8711	50		
	114166	Business Process Consultant Sr	1	5020	6411	50		
				5030	8411	50		
	114167	Conservation Program Spec	1	5020	6805	100		
	114168	Engineer, Supervising	1	5020	6411	50		
				5030	8411	50		
	114169	Engineer, Supervising	1	5020	6440	100		
	114170	Engineer, Supervising	1	5030	8440	100		
	114171	Engineer, Supervising	1	5020	6215	100		
	114172	Engineer, Supervising	1	5030	8440	100		
	114173	Engineer C	1	5020	6411	50		
				5030	8411	50		

Sum of PERCENT_AMT								
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total		
2013	114174	Engineer C	1	5020	6411	50		
				5030	8411	50		
	114199	Engineer, Supervising	1	5020	6411	50		
				5030	8411	50		
	114234	AWU Pipeline Technician Sr	1	5020	6231	100		
	114235	AWU Pipeline Technician Sr	1	5020	6232	100		
	114236	AWU Pipeline Technician Sr	1	5020	6232	100		
	114237	AWU Pipeline Technician Sr	1	5030	8231	100		
	114238	AWU Pipeline Technician Sr	1	5020	6232	100		
	114239	AWU Pipeline Technician Sr	1	5020	6232	100		
	114240	AWU Pipeline Technician Sr	1	5020	6232	100		
	114241	AWU Pipeline Technician Sr	1	5020	6221	50		
					6225	50		
	114242	AWU Pipeline Technician Sr	1	5020	6231	100		
	114243	AWU Pipeline Technician Sr	1	5020	6232	100		
	114244	AWU Pipeline Technician Sr	1	5020	6232	100		
	114245	Supv, AWU Pipeline Technician	1	5020	6232	100		
	114246	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	114247	AWU Electrician II	1	5020	6043	44		
				5030	8043	56		
	114248	Prgm Mgr, Envrnmtl Policy	1	5030	8607	100		
	114249	Water Protection Specialist	1	5020	6222	100		
	114250	Water Meter Technician Sr	1	5020	6241	100		
	114251	Water Meter Technician Sr	1	5020	6241	100		
	114252	Water Meter Technician Sr	1	5020	6241	100		
	114253	AWU Pipeline Technician Sr	1	5020	6232	100		
	114790	Engineer C	1	5020	6070	100		
	114792	Coord, Stores	1	5020	6061	50		
					6062	50		
	114793	Treatment O & M Tech Senior	1	5020	6062	100		
	114794	Treatment O & M Tech Senior	1	5020	6062	100		

Sum of PERCENT_AMT						
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total
2013	114795	Treatment O & M Tech Senior	1	5020	6061	100
	114796	Treatment O & M Tech Senior	1	5020	6061	100
	114797	Treatment O & M Tech Senior	1	5020	6061	100
	114798	Treatment O & M Tech Senior	1	5020	6061	100
	114799	Treatment O & M Tech Senior	1	5020	6061	100
	114800	Treatment O & M Tech Senior	1	5020	6061	100
	114801	Supv, Treatment O & M	1	5020	6062	100
	114802	Supv, Treatment O & M	1	5020	6061	100
	114803	Supt, Treatment	1	5020	6061	50
					6062	50
	114830	Treatment O & M Tech Senior	1	5020	6042	100
	114831	AWU Electrician II	1	5020	6043	44
				5030	8043	56
	114832	AWU Electrician II	1	5020	6043	44
				5030	8043	56
	114833	Water Meter Technician Sr	1	5020	6241	100
	114834	Water Meter Technician Sr	1	5020	6241	100
	114835	Engineer C	1	5020	6411	50
				5030	8411	50
	114836	Engineer C	1	5020	6608	50
				5030	8607	50
	114837	Supv, Facilities	1	5020	6606	50
					6607	50
	114838	Engineer C	1	5020	6440	100
	114839	Coord, Occupntl Health & Safety	1	5020	6640	50
				5030	8740	50
	114840	Coord, Project	1	5020	6722	50
				5030	8622	50
	114841	Scheduler Analyst	1	5020	6002	50
				5030	8002	50
	114847	Coord, AE Emergency Management	1	5020	6002	50
				5030	8002	50

Sum of PERCENT_AMT							
FY	PCN	BUDGET_JOB_TITLE	FTE_BUDGET	FUND	UNIT	Total	
2013 Total						109600	
Grand Total						109600	
			Total FY2013 FTE		1094.1		

Response to Request No. 3-43

2014 Water and Sewer Medians

Special Report

Sector Strength Continues

The 2014 medians continue Fitch Ratings' effort to provide transparency to market participants by giving a clear understanding of certain statistical ratios used in its review of sector revenue bond credits and quantitative results, particularly as they pertain to retail systems. For the most part, the key findings for 2014 continue trends Fitch has observed over the past several years and that contribute to key issues discussed in Fitch Research titled "2014 Outlook: Water and Sewer Sector," dated Dec. 12, 2013, available on Fitch's website at www.fitchratings.com.

The medians continue to point to ongoing capital and debt pressures, but also spotlight the sector's overall financial strength. With the latest round of medians, financial results continued to post incremental gains while there was a corresponding decrease in debt ratios.

Related Research

2014 Outlook: Water and Sewer Sector
(December 2013)

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Key Findings

National Medians

Solid Revenue Performance: Despite flat water usage and near-flat wastewater flows during the median period, revenues continued to increase a healthy 6% on rising user charges.

Controlled Expenditures: Operating expense growth remained controlled but crept up 2% with the 2014 medians from 1% the year prior. Debt service carrying costs relative to gross revenues remained flat from the prior year.

Improved Coverage: Debt service coverage (DSC) remained strong on both a senior lien and all-in basis (2.4x and 2.0x, respectively) and even rose slightly, marking the second consecutive year of modest improvement.

Cash Flows Up but Insufficient: Surplus cash flows, like DSC, continued to show some improvement. But at 91%, excess revenues remained insufficient to fully cover annual depreciation expense (i.e. renewal and replacement [R&R]) on a pay-as-you-go basis.

Liquidity a Highlight: Despite continued subpar cash flows, liquidity levels remained significant and even increased overall as DSC rose, capital spending relative to depreciation decreased, and surplus balances hit the bottom line.

Planned Capital Spending Down: Planned annual capital spending per customer fell 10% from the 2013 medians. The drop raises concerns about an expected increase in deferred maintenance in the coming years. However, recent spending was sufficient to maintain the age of facilities at 13 years.

Lower Debt Profile: Debt ratios fell modestly from the prior year medians as new issuances lagged principal being amortized. Nevertheless, debt ratios are forecasted to return to their upward trajectory over the upcoming five-year period even with expectations of decreased spending and declines in borrowable capital sources.

Regional Medians

Far West: The Far West's financial performance continued to exceed the national medians from a DSC, liquidity, and cash flow perspective, although the margin by which the region surpassed the national level diminished with the current medians. Positively, current, and projected regional debt ratios are down considerably from last year's medians and now are lower or more in line with the national medians.

Midwest: The Midwest saw virtually flat operating performance between the 2013 and 2014 medians. Total DSC was unchanged, liquidity levels were mixed, and free cash was only 1% lower. Current debt levels within the region remain the lowest of any other region. However, over the next five years the region's debt profile is expected to balloon and be higher than any other region. The rising debt expectation is driven at least in part to fund R&R to address the region's aged infrastructure, which at 17 years is older than any other region.

Northeast: The Northeast posted sound financial gains for the year but remain below national medians in almost all areas. The Northeast continued to have the greatest leverage relative to other regions, but debt levels are expected to moderate over the next five years and be more in line with national norms despite the dismal amortization rate of existing debt (just 57% of principal is retired in 20 years).

Southeast: Southeast financial results were in line or better than the national medians at almost every level, with liquidity benefiting the most from the favorable results for the year: days cash was up 15% from the prior year (to 479 days) while days of working capital was up 46% (to 521 days). With the improved financial margins there was less reliance on borrowable resources, allowing current debt ratios to improve slightly from the 2013 medians. Also, over the next few years, projected debt ratios are expected to fall slightly as well, given planned capital spending with the 2014 medians was relatively flat from the prior year.

Southwest: The Southwest continued to produce financial and debt profiles in the midrange of all the regions. For the year, total DSC was unchanged, but as operating expenses were cut for the year, free cash jumped 23% from last year's medians — the second highest jump in free cash behind the Southeast region's 24% increase. Unfavorably, the region saw the largest growth in debt levels for the year of any region, which may be expected to erode financial performance somewhat in the coming years. However, the region continued to project falling debt ratios over the five-year horizon and the fastest payout rate, which should allow for a quick improvement to the region's debt profile over the next few years.

Medians Relative to System Size

Large Systems: Large systems (defined as utilities serving 500,000 or more persons) continued in general to have the greatest amount of debt and produce the lowest financial margins. With the 2014 medians, debt levels for large systems were virtually unchanged from the prior year (net issuance equaled the amount of principal being amortized), but DSC was down on rising operating expenditures. Nevertheless, as utilities scaled back on spending liquidity levels posted solid gains for the year.

Midsize Systems: Midsize systems (defined as utilities serving between 100,000 and 499,999 persons) continue to generate stronger financial performance than other utilities on balance while having the lowest debt burden and some of the lowest rates. For the 2014 medians, midsize utilities adopted rate adjustments to offset additional fixed costs from new debt issuances to the extent that DSC actually improved somewhat from the prior year. Surplus

Related Criteria

Revenue-Supported Rating Criteria (June 2013)

U.S. Water and Sewer Revenue Bond Rating Criteria (July 2013)

revenues exceeded the depreciation expense for the 2014 medians, but these monies were diverted to capital spending keeping liquidity balances relatively unchanged.

Small Systems: Small systems (defined as utilities serving less than 100,000 persons) continued to produce financial and debt metrics in the midrange relative to other utilities. But for the 2014 medians, these systems saw a 9% drop in total DSC to 2.1x even as the national median improved slightly. Positively, reserve levels and surplus revenues improved over the prior year, affording some additional financial flexibility. Also favorably, debt levels dropped from the 2013 medians on reduced issuances and outyear estimates anticipate continued reductions in outstanding debt. While the drop in debt is a credit positive, it comes at the expense of planned capital outlays that could ultimately lead to rising deferred maintenance and aging facilities.

Limitations of Medians Analysis in the Rating Process

While the medians serve as a useful tool for market participants by allowing for broad assessments and comparisons of credit quality, Fitch maintains that the data complement the rating process rather than act as a substitute. Thus, when evaluating the medians in relation to the rating process, certain distinctions between them should be noted, as follows:

Point in Time: Medians largely provide a point-in-time snapshot of the rating category, region, class size, or sector as a whole, whereas the rating process focuses more on trends at the issuer and specific rating level.

Exclusion of Rating Factors: Only a portion of the factors covered in Fitch's rating process are reflected in the medians — in particular, qualitative aspects such as management, policies, and legal provisions are excluded, although other quantitative ratios are also omitted.

Individual Credit Characteristics Excluded: The medians present a composite of the range of credits and do not delineate offsetting strengths or weaknesses at the individual credit level that may affect a rating.

Methodology and Data

Fitch first published its water and sewer medians in 2004 to provide issuers, consultants, analysts, investors, and others with a quantitative framework of ratios used in Fitch's water and sewer rating process. To this end, Fitch historically has grouped the medians according to their respective area within the criteria review process and the 2014 medians continue this practice.

This report also continues Fitch's presentation of key ratios used in the rating process to give the market a better understanding of the priority in weighting certain ratios. To allow a comparison with prior statistics, Fitch also has included historical information from the 2007–2013 medians (see Appendix E, page 14); the 2004 medians were excluded, given that the methodology for a selection of credits was revised following its release. Fitch expects to add subsequent information annually to Appendix E as ensuing medians are published to allow readers to follow long-term trends.

As with Fitch's prior medians, those for 2014 cover only wholly or predominantly retail systems for which Fitch has taken rating actions on senior lien debt or debt that effectively acts as senior lien obligations. The data include water and sewer revenue bond credits rated between September 2012 and August 2013. Certain credits have been excluded for various reasons, as outlined below (for a complete list of issuers included in the 2014 medians, see Appendix B, pages 8–11). In cases where the same issuer was rated multiple times over the median selection period, only data from the most recent rating were incorporated into the medians.

In the 2014 medians, combined water and sewer utilities accounted for 92 credits (56% of the total), individual water systems numbered 41 (25%), and individual sewer systems were 30 (18%). Excluded for median-reporting purposes from the 2014 data set are certain credits with ratings of 'BBB+' or below, because Fitch traditionally has viewed these issuers as outliers with extenuating circumstances. Also excluded were issuers for which the majority of system revenues were derived from other utility (e.g. electric power) revenues. In both cases, the data have a tendency to skew median results.

Appendix A: Water and Sewer Median Definitions

Median	Definition	Significance
Population	Estimated population of the service area	Provides an overview of the scope of operations in the service area
MHI (\$)	Median household income for the primary municipal entity served by the utility based on the most recent year as reported by the U.S. Census Bureau	Indicates the overall wealth of average residential customers and their ability to pay for services
Total Water Customers	Most recent water customer accounts total, if applicable	Provides an overview of the scope of operations in the service area
Water Customer Annual Growth (%)	Percentage of historical average annual customer accounts growth rates over the prior five-year period	Indicates the pressures a utility may be facing to meet customer demands
Total Sewer Customers	Most recent sewer customer accounts total, if applicable	Provides an overview of the scope of operations in the service area
Sewer Customer Annual Growth (%)	Percentage of historical average annual customer accounts growth rates over the prior five-year period	Indicates the pressures a utility may be facing to meet customer demands
Top 10 Customers as % of Revenues	Total annual receipts from the 10 largest customers divided by total operating system revenues for the year	Indicates revenue concentration levels
Age of Plant (Years)	Total accumulated depreciation divided by annual depreciation	Indicates age of facilities and potential deferred plant maintenance
Water Treatment Capacity Remaining (%)	Percentage of average permitted treatment capacity remaining above most recent production level	Indicates the pressures a utility may be facing to meet customer demands
Sewer Treatment Capacity Remaining (%)	Percentage of average permitted treatment capacity remaining above most recent production level	Indicates the pressures a utility may be facing to meet customer demands
Average Annual CIP Costs per Customer (\$)	Total projected capital needs in the CIP divided by the number of years of the CIP, divided by total number of customers (for a combined utility, the aggregate number of water and sewer accounts are used)	Indicates effect of the CIP on ratepayers (principal only)
CIP Debt Financed (%)	Percentage of issuer's total CIP expected to be debt financed	Indicates future debt leverage of capital assets
Total Outstanding Debt to Net Plant Assets (%)	Total amount of utility long-term debt divided by the net asset value of the plant	Indicates existing debt leverage of capital assets
Debt to FADS (x)	Total amount of utility long-term debt divided by the total funds available for debt service	Indicates existing debt leverage relative to existing funds available for debt service
Debt to Equity (x)	Total amount of utility long-term debt divided by unrestricted net assets	Indicates existing debt leverage relative to system equity
Total Outstanding Long-Term Debt Per Customer (\$) ^a	Total amount of utility long-term debt divided by the total number of utility customers (for a combined utility, the aggregate number of water and sewer accounts are used)	Indicates the existing debt burden attributable to ratepayers (principal only)
Total Outstanding Long-Term Debt Per Capita (\$) ^a	Total amount of utility long-term debt divided by total population served by the utility	Indicates the existing debt burden of an utility attributable to each person served by the utility (principal only)
Ten-Year Principal Payout (%)	Percentage of principal amortizing within 10 years	Indicates longevity of system debt
Twenty-Year Principal Payout (%)	Percentage of principal amortizing within 20 years	Indicates longevity of system debt
Projected Debt Per Customer – Year Five (\$) ^a	Total projected outstanding system debt (existing debt less scheduled amortization plus planned issuances) divided by total outstanding projected customers five years from the date of the rating (for a combined utility, the aggregate number of water and sewer accounts are used and are inflated by anticipated growth)	Indicates the total debt burden to ratepayers five years from the date of the rating (principal only)
Projected Debt Per Capita – Year Five (\$) ^a	Total projected outstanding system debt (existing debt less scheduled amortization plus planned issuances) divided by total projected population served by the utility (population is inflated based on anticipated growth)	Indicates the total debt burden of an utility to each person served by the utility five years from the date of the rating (principal only)
Individual Water/Sewer Utility Average Monthly Residential Bill (\$)	Average monthly residential bill for individual utilities, when billing was not calculated on a monthly basis, it was converted to a monthly amount for standardization	Indicates the monthly cost of service to residential customers
Individual Water/Sewer Utility Average Annual Bill as % of MHI	Average monthly residential bill for individual utilities times 12, divided by the most recent yearly MHI as reported by the U.S. Census Bureau	Indicates the annual burden for cost of service to ratepayers
Combined Water/Sewer Utility Average Monthly Residential Bill (\$)	Average monthly residential bill for combined utilities; when billing was not calculated on a monthly basis, it was converted to a monthly amount for standardization	Indicates the monthly cost of service to residential customers
Combined Water/Sewer Utility Average Annual Bill as % of MHI	Average monthly residential bill for combined utilities times 12, divided by the most recent yearly MHI as reported by the U.S. Census Bureau	Indicates the annual burden for cost of service to ratepayers

^aIndicates key ratio. MHI – Median household income CIP – Capital improvement program. FADS – Funds available for debt service

Appendix A: Water and Sewer Median Definitions (continued)

Median	Definition	Significance
Average Annual Projected Water Rate Increases (%)	Sum of planned annual rate increases divided by the number of years over which increases are forecast	Indicates the future expected burden for cost of service to ratepayers
Average Annual Projected Sewer Rate Increases (%)	Sum of planned annual rate increases divided by the number of years over which increases are forecast	Indicates the future expected burden for cost of service to ratepayers
Three-Year Historical Average Senior Lien ADS Coverage (x) ^a	Most recent three-year historical average of annual revenues available for debt service divided by respective senior lien debt service for the year	Indicates the historical trend in senior lien ADS coverage
Senior Lien ADS Coverage (x) ^a	Current-year revenues available for debt service divided by current-year senior lien debt service	Indicates the financial margin to meet current senior lien ADS with current revenues available for debt service
Senior Lien ADS Coverage Excluding Connection Fees (x)	Current-year revenues available for debt service, excluding one-time revenues such as connection fees, divided by current-year senior lien debt service	Indicates the financial margin to meet current senior lien ADS with current revenues available for debt service, excluding one-time revenues such as connection fees
Senior Lien ADS Coverage Net of Transfers Out (x)	Current-year revenues available for debt service, excluding operating transfers out, divided by current-year senior lien debt service	Indicates the financial margin to meet current senior lien ADS with current revenues available for debt service, excluding transfers out
Minimum Projected Senior Lien ADS Coverage (x) ^a	Minimum debt service coverage projected typically over the ensuing five-year period, based on revenues available for debt service in any given fiscal year, divided by the respective senior lien debt service amount for that fiscal year	Indicates the financial margin during the year in which future senior lien ADS coverage is projected to be the lowest
Senior Lien MADS Coverage (x)	Current-year revenues available for debt service divided by projected senior lien MADS	Indicates the financial margin to meet projected senior lien MADS with current revenues available for debt service
Senior Lien Debt Service as % of Gross Revenues	Current-year senior lien debt service divided by current-year gross revenues	Indicates the level of annual senior lien debt service burden on system operations
Three-Year Historical Average All-In ADS Coverage (x) ^a	Most recent three-year historical average of annual revenues available for debt service divided by respective total debt service for the year	Indicates the historical trend in total ADS coverage
All-In ADS Coverage (x) ^a	Current-year revenues available for debt service divided by current-year total debt service	Indicates the financial margin to meet current total ADS with current revenues available for debt service
All-In ADS Coverage Excluding Connection Fees (x)	Current-year revenues available for debt service, excluding one-time revenues such as connection fees, divided by current-year total debt service	Indicates the financial margin to meet current total ADS with current revenues available for debt service, excluding one-time revenues such as connection fees
All-In ADS Coverage Net of Transfers Out (x)	Current-year revenues available for debt service, excluding operating transfers out, divided by current-year total debt service	Indicates the financial margin to meet current total ADS with current revenues available for debt service, excluding transfers out
Minimum Projected All-In ADS Coverage (x) ^a	Minimum debt service coverage projected typically over the ensuing five-year period, based on revenues available for debt service in any given fiscal year, divided by the respective total debt service amount for that fiscal year	Indicates the financial margin during the year in which future total ADS coverage is projected to be the lowest
All-In MADS Coverage (x)	Current-year revenues available for debt service divided by projected total MADS	Indicates the financial margin to meet projected total MADS with current revenues available for debt service
All-In Debt Service as % of Gross Revenues	Current-year total debt service divided by current-year gross revenues	Indicates the level of annual total debt service burden on system operations
Operating Margin (%)	Operating revenues minus operating expenditures plus depreciation, divided by operating revenues	Indicates financial margin to pay operating expenses
Operating Cash Flow Ratio (x)	Cash flows from current operations divided by current liabilities	Indicates the strength of existing cash flows to meet near-term obligations
Operating Revenue Growth – Current Year (%)	Most recent audited operating revenues divided by the immediately prior year operating revenues minus one	Indicates revenue gains
Operating Revenue Growth – Three Year Average (%)	Average of operating revenues divided by the immediately prior year operating revenues minus one for the three most recent audited fiscal years	Indicates revenue gains
Operating Expenditure Growth – Current Year (%)	Most recent audited operating expenses divided by the immediately prior year operating expenses minus one	Indicates expenditure pressures

^aIndicates key ratio. ADS – Annual debt service. MADS – Maximum annual debt service.

Appendix A: Water and Sewer Median Definitions (continued)

Median	Definition	Significance
Operating Expenditure Growth – Three-Year Average (%)	Average of operating expenses divided by the immediately prior year operating expenses minus 1 for the three most recent audited fiscal years	Indicates expenditure pressures
Days of Operating Revenues in Accounts Receivable	Current unrestricted accounts receivable divided by operating revenues, divided by 365	Indicates rate at which customer revenues are received
Days Cash on Hand ^a	Current unrestricted cash and investments plus any restricted cash and investments (if available for general system purposes), divided by operating expenditures minus depreciation, divided by 365	Indicates financial flexibility to pay near-term obligations
Days of Working Capital ^a	Current unrestricted assets plus any restricted cash and investments (if available for general system purposes), minus current liabilities payable from unrestricted assets, divided by operating expenditures minus depreciation, divided by 365	Indicates financial flexibility to pay near-term obligations
Quick Ratio	Current cash plus current receivables divided by current liabilities	Indicates financial flexibility to pay near-term obligations
Current Ratio	Current assets divided by current liabilities	Indicates financial flexibility to pay near-term obligations
Free Cash as % of Depreciation ^a	Current surplus revenues after payment of operating expenses, debt service, and operating transfers out divided by current year depreciation	Indicates annual financial capacity to maintain facilities at current level of service from existing cash flows
Capital Spending as % of Depreciation	Current year additions to property, plant, and equipment divided by current year depreciation	Indicates annual improvements made to system facilities relative to level of annual depreciation to effectively determine if facilities are being maintained

^aIndicates key ratio.

Appendix B: Utility Obligor's Included in 2014 Water and Sewer Medians

	Date of Senior-Most Lien Rating	Long-Term Rating	Rating Outlook
Arkansas			
Pine Bluff	11/2/12	AA-	Stable
Arizona			
Lake Havasu City	7/19/13	A	Stable
Pima County	11/1/12	AA	Stable
Pima County Metropolitan Domestic Water Improvement District	11/13/12	AA-	Stable
Surprise (Sewer)	3/13/13	A-	Stable
Tucson	5/22/13	AA	Stable
Yuma	5/22/13	AA-	Stable
California			
Anaheim (Water)	9/19/12	AAA	Stable
Burbank	10/16/12	AAA	Stable
Contra Costa Water District	6/14/13	AA+	Negative
Cucamonga Valley Water District	10/9/12	AA	Stable
Dublin San Ramon Services District	12/10/12	AA	Stable
East Bay Municipal Utility District (Water)	11/2/12	AA+	Stable
East Bay Municipal Utility District (Sewer)	12/19/12	AA+	Stable
East Valley Water District	5/22/13	AA-	Stable
Eastern Municipal Water District	3/7/13	AA+	Stable
Elsinore Valley Municipal Water District	5/3/13	AA-	Positive
Fresno (Water)	11/9/12	AA	Negative
Fresno (Sewer)	11/9/12	AA	Negative
Glendale Water & Power	11/28/12	A+	Negative
Helix Water District	8/21/13	AA+	Stable
Hillsborough	7/9/13	AA+	Stable
Indian Wells Valley Water District	6/3/13	AA-	Stable
Irvine Ranch Water District	3/13/13	AAA	Stable
Lake Arrowhead Community Services District	8/21/13	AA	Positive
Lomita	7/11/13	A	Negative
Los Angeles	4/18/13	AA+	Stable
Los Angeles Department of Water & Power	7/17/13	AA	Stable
Lynwood Utility Authority	7/9/13	A	Stable
Manteca	6/7/13	AA-	Stable
Mesa Consolidated Water District	10/22/12	AAA	Stable
Oakland	8/16/13	AA-	Positive
Orange County Sanitation District	10/10/12	AAA	Stable
Padre Dam Municipal Water District	7/15/13	AA	Stable
Palmdale Water District	4/29/13	A+	Stable
Rancho California Water District	12/20/12	AA+	Stable
Riverside	4/16/13	AA+	Stable
Sacramento (Water)	3/8/13	AA-	Stable
Sacramento (Sewer)	6/13/13	AA	Stable
San Jose	3/22/13	AAA	Stable
San Juan Capistrano	4/22/13	A	Stable
Sonoma Valley County Sanitation District	12/3/12	AA-	Stable
South Coast Water District	4/1/13	AA+	Stable
Vallecitos Water District	7/24/13	AA+	Stable
Yuba City	4/24/13	AA-	Stable
Colorado			
Arvada	3/1/13	AAA	Stable
Fort Collins	1/29/13	AA+	Stable
District of Columbia			
District of Columbia Water & Sewer	6/25/13	AA	Stable
Delaware			
Dover	7/24/13	AA	Positive
Florida			
Boca Raton	1/17/13	AAA	Stable
Cape Coral	5/9/13	A	Stable
Citrus County	1/3/13	AA-	Stable
Clearwater	5/20/13	AA-	Stable

Appendix B: Utility Obligor Included in 2014 Water and Sewer Medians (continued)

	Date of Senior-Most Lien Rating	Long-Term Rating	Rating Outlook
Florida (continued)			
Collier County Water-Sewer District	6/19/13	AA+	Positive
Deltona	8/15/13	A+	Stable
Florida Community Services Corp.	8/22/13	AA	Stable
Florida Governmental Utility Authority (Lehigh System)	11/27/12	A	Stable
Florida Governmental Utility Authority (Lake Aqua Utility System)	3/8/13	A-	Stable
Florida Governmental Utility Authority (Unified Utility System)	3/8/13	A-	Stable
Florida Keys Aqueduct Authority	3/8/13	AA-	Stable
Fort Walton Beach	8/1/13	AA	Stable
Hernando County	5/20/13	AA-	Stable
Hialeah	4/16/13	A+	Stable
Hillsborough County	9/6/12	AAA	Stable
Indian River County	2/28/13	AAA	Stable
JEA	7/18/13	AA	Stable
Jupiter	2/1/13	AAA	Stable
Lee County	6/24/13	AA	Stable
Leesburg	4/2/13	AA-	Stable
Marco Island	8/21/13	AA-	Stable
Melbourne	1/10/13	AA-	Stable
North Miami Beach	11/27/12	A+	Stable
North Sumter County Utility Dependent District	11/7/12	A	Stable
Orlando	12/21/12	AAA	Stable
Palm Beach County	1/18/13	AAA	Stable
Palm Coast	5/21/13	A+	Stable
Pasco County	7/1/13	AA	Stable
Pinellas Park	5/16/13	AA	Stable
Polk County	11/16/12	AA-	Stable
Sanford	3/4/13	A+	Stable
Sarasota	6/19/13	AA	Stable
St. Augustine	1/28/13	AA-	Stable
St. Petersburg	12/5/12	AA	Stable
Tamarac	5/31/13	AA	Stable
Tampa	7/22/13	AA+	Positive
Tohopekaliga Water Authority	5/22/13	AA+	Stable
Venice	12/6/12	AA	Stable
Wellington Village	6/26/13	AA+	Stable
West Palm Beach	5/1/13	AA-	Stable
Winter Park	2/27/13	AA-	Stable
Georgia			
Athens-Clarke County Unified Government	2/6/13	AA+	Stable
Atlanta	8/19/13	A+	Stable
Cobb County	6/24/13	AAA	Stable
Columbia County	7/25/13	AAA	Stable
Fulton County	2/27/13	AA-	Stable
Hawaii			
Honolulu (City & County)	9/14/12	AA	Stable
Illinois			
Chicago (Sewer - Second Lien)	4/23/13	AA	Positive
Chicago (Water)	4/23/13	AA+	Positive
DuPage County	1/23/13	AAA	Stable
Melrose Park	3/4/13	A+	Stable
Springfield Metro Sanitary District	7/1/13	AA-	Stable
Indiana			
Indianapolis (Water)	7/23/13	A	Stable
Kentucky			
Louisville & Jefferson County Metropolitan Sewer District	4/11/13	AA-	Stable
Louisiana			
East Baton Rouge Sewerage Commission	4/17/13	AA	Stable

Appendix B: Utility Obligors Included in 2014 Water and Sewer Medians (continued)

	Date of Senior-Most Lien Rating	Long-Term Rating	Rating Outlook
Michigan			
Battle Creek	12/19/12	AA-	Stable
Missouri			
Metropolitan St. Louis Sewer District	10/12/12	AA+	Stable
North Carolina			
Buncombe County Metropolitan Sewerage District	3/26/13	AA+	Stable
Cary	12/21/12	AAA	Stable
Charlotte	6/27/13	AAA	Stable
Dare County	5/13/13	AA-	Stable
Durham	4/8/13	AAA	Stable
Gastonia	4/4/13	AA-	Stable
Raleigh	4/23/13	AAA	Stable
Salisbury	10/1/12	AA-	Stable
Sanford	11/20/12	AA-	Stable
Union County	7/18/13	AA	Stable
Wilson	5/13/13	AA	Stable
Winston-Salem	9/28/12	AA+	Negative Watch
New Mexico			
Albuquerque Bernalillo County Water Utility Authority	6/6/13	AA	Stable
Rio Rancho	7/1/13	A+	Stable
New York			
New York City Municipal Water Finance Authority	6/12/13	AA+	Stable
Suffolk County Water Authority	1/15/13	AAA	Stable
Ohio			
Canal Winchester	12/14/12	A+	Stable
Columbus	4/4/13	AA+	Stable
Oregon			
Eugene	5/22/13	AA+	Stable
Pennsylvania			
Philadelphia	6/27/13	A+	Stable
South Carolina			
Greenville	7/17/13	AAA	Stable
Tennessee			
Clarksville	6/7/13	AA-	Stable
Memphis	10/29/12	AA-	Stable
Texas			
Arlington	6/3/13	AAA	Stable
Burleson	9/14/12	AA-	Stable
Cleburne	12/4/12	AA-	Stable
Corpus Christi	12/11/12	AA-	Stable
Eagle Pass	5/10/13	A	Stable
El Paso	11/15/12	AA+	Stable
Fort Worth	4/10/13	AA	Stable
Garland	4/25/13	AA+	Negative
Grand Prairie	3/8/13	AA+	Stable
Killeen	3/15/13	AA	Stable
Laredo	4/1/13	AA-	Negative
Lewisville	5/3/13	AAA	Stable
North Texas Municipal Water District – Panther Creek (Frisco)	3/8/13	A+	Stable
Pasadena	9/14/12	AA-	Stable
Pearland	2/11/13	AA-	Stable
San Antonio	3/7/13	AA+	Stable
San Antonio – Special Purpose District	5/24/13	A+	Stable
Sugar Land	9/27/12	AA+	Stable

Appendix B: Utility Obligor Included in 2014 Water and Sewer Medians (continued)

	Date of Senior-Most Lien Rating	Long-Term Rating	Rating Outlook
Utah			
Cedar Hills	11/28/12	AA-	Stable
Clearfield City	11/30/12	AA-	Positive
North Salt Lake	11/12/12	A-	Negative
South Jordan	4/15/13	AA	Stable
South Valley Sewer District	5/28/13	AA	Stable
St. George (Utah Water Finance Agency)	2/25/13	AA-	Stable
West Bountiful	1/25/13	A+	Stable
Virginia			
Chesterfield County	3/14/13	AAA	Stable
Fairfax County Water Authority	2/8/13	AAA	Stable
Hampton Roads Sanitation District	12/5/12	AA+	Stable
Henrico County	2/5/13	AAA	Negative
Loudoun County Sanitation Authority	6/6/13	AAA	Stable
Richmond	4/8/13	AA	Stable
Spotsylvania County	7/1/13	AA-	Stable
Washington			
Douglas County Sewer District No. 1	12/17/12	A+	Stable
Tacoma	8/30/13	AA+	Stable

Appendix C: 2014 Regional Medians

	Far West	Midwest	Northeast	Southeast	Southwest	All Credits
Community Characteristics/Customer Growth and Concentration						
Population	145,000	916,924	2,200,000	155,082	138,390	149,025
MHI (\$)	59,830	46,877	50,285	47,282	45,850	49,655
Total Water Customers	23,253	28,905	389,724	42,195	41,422	40,431
Annual Growth (%)	0.1	0.5	0.4	0.7	1.3	0.6
Total Sewer Customers	32,255	58,326	723,042	33,035	36,688	35,210
Annual Growth (%)	0.4	0.3	0.2	0.6	1.1	0.6
Top 10 Customers as % of Revenues	7	8	10	9	8	8
Capacity						
Age of Plant (Years)	13	17	14	13	12	13
Water Treatment Capacity Remaining (%)	59	50	59	55	58	58
Sewer Treatment Capacity Remaining (%)	40	16	25	49	47	47
Capital Demands and Debt Policies						
Average Annual CIP Costs Per Customer (\$)	238	306	260	210	219	226
CIP Debt Financed (%)	11	42	69	28	63	32
Total Outstanding Debt to Net Plant Assets (%)	39	72	70	40	47	43
Debt to FADS (x)	5.6	10.0	9.8	5.4	6.6	6.1
Debt to Equity (x)	2.7	2.3	3.6	3.1	5.1	3.3
Total Outstanding Long-Term Debt Per Customer (\$) ^a	1,721	1,566	1,903	1,383	1,745	1,581
Total Outstanding Long-Term Debt Per Capita (\$) ^a	571	474	394	395	571	459
Ten-Year Principal Payout (%)	34	39	14	38	59	39
Twenty-Year Principal Payout (%)	74	70	57	82	99	80
Projected Debt Per Customer – Year Five (\$) ^a	2,010	2,496	1,853	1,704	1,536	1,868
Projected Debt Per Capita – Year Five (\$) ^a	496	711	771	480	558	519
Charges and Rate Affordability						
Individual Water/Sewer Utility Average Monthly Residential Bill (\$)	42	27	28	37	33	36
Individual Water/Sewer Utility Average Annual Bill as % of MHI	0.9	0.5	0.4	1.0	0.8	0.9
Combined Water/Sewer Utility Average Monthly Residential Bill (\$)	82	60	58	70	56	68
Combined Water/Sewer Utility Average Annual Bill as % of MHI	1.5	1.7	1.5	1.8	1.4	1.6
Average Annual Projected Water Rate Increases (%)	5.1	6.2	4.8	3.0	4.3	4.0
Average Annual Projected Sewer Rate Increases (%)	4.0	6.5	5.7	3.5	3.6	3.7
Coverage and Financial Performance/Cash and Balance Sheet Considerations						
Three-Year Historical Average Senior Lien ADS Coverage (x) ^a	2.5	3.4	3.3	2.6	2.3	2.5
Senior Lien ADS Coverage (x) ^a	2.6	3.3	3.9	2.6	2.3	2.7
Senior Lien ADS Coverage Excluding Connection Fees (x)	2.4	3.3	3.9	2.4	2.2	2.5
Senior Lien ADS Coverage Net of Transfers Out (x)	2.5	3.1	3.4	2.4	2.1	2.4
Minimum Projected Senior Lien ADS Coverage (x) ^a	2.2	3.2	2.5	2.0	1.8	2.1
Senior Lien MADS Coverage (x)	2.7	2.0	N.A.	2.9	2.0	2.1
Senior Lien Debt Service as % of Gross Revenues	16	9	13	17	21	16
Three-Year Historical Average All-In ADS Coverage (x) ^a	2.2	1.5	1.6	2.0	1.9	2.0
All-In ADS Coverage (x) ^a	2.2	1.6	1.8	2.1	1.9	2.1
All-In ADS Coverage Excluding Connection Fees (x)	2.1	1.5	1.8	2.0	1.8	1.9
All-In ADS Coverage Net of Transfers Out (x)	1.9	1.6	1.8	2.1	1.7	1.9
Minimum Projected All-In ADS Coverage (x) ^a	1.9	1.5	1.6	1.7	1.4	1.7
All-In MADS Coverage (x)	2.0	1.3	1.1	2.0	1.6	1.7
All-In Debt Service as % of Gross Revenues	19	26	22	21	26	21
Operating Margin (%)	29	39	39	39	43	39
Operating Cash Flow Ratio (x)	1.0	0.6	1.3	1.6	1.3	1.3
Operating Revenue Growth – Current Year (%)	5.8	3.7	5.5	5.6	5.5	5.5
Operating Revenue Growth – Three-Year Average (%)	5.5	5.5	7.2	5.0	6.1	5.5
Operating Expenditure Growth – Current Year (%)	2.4	2.7	0.5	2.0	1.3	2.0
Operating Expenditure Growth – Three-Year Average (%)	2.5	4.1	1.2	0.7	3.3	1.9
Days of Operating Revenues in Accounts Receivable	46	71	35	42	47	46
Days Cash on Hand ^a	426	165	299	479	330	404
Days of Working Capital ^a	414	180	241	521	366	414
Quick Ratio	2.9	2.3	1.9	4.4	2.8	3.4
Current Ratio	3.4	3.1	2.0	5.9	3.7	4.1
Free Cash as % of Depreciation ^a	102	78	91	89	81	91
Capital Spending as % of Depreciation	170	243	257	102	146	134

^aIndicates key ratio. ADS – Annual debt service. CIP – Capital improvement program. FADS – Funds available for debt service. MADS – Maximum annual debt service. MHI – Median household income. N.A. – Not available.

Appendix D: 2014 Medians Relative to System Size

	System Size Classification			All
	Large	Medium	Small	Credits
Community Characteristics/Customer Growth and Concentration				
Population	983,641	200,000	52,760	149,025
MHI (\$)	49,457	51,144	48,042	49,655
Total Water Customers	226,916	55,628	17,387	40,431
Annual Growth (%)	0.7	0.8	0.3	0.6
Total Sewer Customers	234,071	55,211	14,900	35,210
Annual Growth (%)	0.5	0.9	0.4	0.6
Top 10 Customers as % of Revenues	8	6	12	8
Capacity				
Age of Plant (Years)	14	13	13	13
Water Treatment Capacity Remaining (%)	60	55	58	58
Sewer Treatment Capacity Remaining (%)	37	51	49	47
Capital Demands and Debt Policies				
Average Annual CIP Costs Per Customer (\$)	241	234	199	226
CIP Debt Financed (%)	52	38	11	32
Total Outstanding Debt to Net Plant Assets (%)	57	37	42	43
Debt to FADS (x)	8.3	5.6	5.3	6.1
Debt to Equity (x)	5.8	2.9	2.8	3.3
Total Outstanding Long-Term Debt Per Customer (\$) ^a	1,951	1,550	1,592	1,581
Total Outstanding Long-Term Debt Per Capita (\$) ^a	494	388	518	459
Ten-Year Principal Payout (%)	34	38	42	39
Twenty-Year Principal Payout (%)	75	76	92	80
Projected Debt Per Customer Capita – Year Five (\$) ^a	2,486	1,919	1,477	1,868
Projected Debt Per Capita – Year Five (\$) ^a	761	496	454	519
Charges and Rate Affordability				
Individual Water/Sewer Utility Average Monthly Residential Bill (\$)	30	35	46	36
Individual Water/Sewer Utility Average Annual Bill as % of MHI	0.7	0.9	0.9	0.9
Combined Water/Sewer Utility Average Monthly Residential Bill (\$)	64	67	72	68
Combined Water/Sewer Utility Average Annual Bill as % of MHI	1.5	1.6	1.7	1.6
Average Annual Projected Water Rate Increases (%)	4.5	4.5	3.1	4.0
Average Annual Projected Sewer Rate Increases (%)	5.4	4.2	3.0	3.7
Coverage and Financial Performance/Cash and Balance Sheet Considerations				
Three-Year Historical Average Senior Lien ADS Coverage (x) ^a	2.3	2.8	2.5	2.5
Senior Lien ADS Coverage (x) ^a	2.4	2.9	2.7	2.7
Senior Lien ADS Coverage Excluding Connection Fees (x)	2.4	2.4	2.5	2.5
Senior Lien ADS Coverage Net of Transfers Out (x)	2.3	2.5	2.4	2.4
Minimum Projected Senior Lien ADS Coverage (x) ^a	2.1	2.1	2.1	2.1
Senior Lien MADS Coverage (x)	1.8	2.6	2.2	2.1
Senior Lien Debt Service as % of Gross Revenues	19	14	18	16
Three-Year Historical Average All-In ADS Coverage (x) ^a	1.6	2.1	2.0	2.0
All-In ADS Coverage (x) ^a	1.6	2.2	2.1	2.1
All-In ADS Coverage Excluding Connection Fees (x)	1.6	2.0	2.0	1.9
All-In ADS Coverage Net of Transfers Out (x)	1.6	2.1	1.9	1.9
Minimum Projected All-In ADS Coverage (x) ^a	1.6	1.8	1.8	1.7
All-In MADS Coverage (x)	1.4	2.0	2.0	1.7
All-In Debt Service as % of Gross Revenues	27	20	21	21
Operating Margin (%)	43	38	39	39
Operating Cash Flow Ratio (x)	1.2	1.3	1.5	1.3
Operating Revenue Growth – Current Year (%)	5.8	5.8	4.7	5.5
Operating Revenue Growth – Three-Year Average (%)	6.3	5.1	5.5	5.5
Operating Expenditure Growth – Current Year (%)	2.4	2.7	1.7	2.0
Operating Expenditure Growth –Three-Year Average (%)	2.6	2.4	1.2	1.9
Days of Operating Revenues in Accounts Receivable	40	48	42	46
Days Cash on Hand ^a	373	458	404	404
Days of Working Capital ^a	292	510	400	414
Quick Ratio	2.5	4.5	3.5	3.4
Current Ratio	2.8	5.8	4.2	4.1
Free Cash as % of Depreciation ^a	81	101	95	91
Capital Spending as % of Depreciation	182	146	100	134

^aIndicates key ratio. ADS – Annual debt service. CIP – Capital improvement program. FADS – Funds available for debt service. MADS – Maximum annual debt service.
MHI – Median household income.

Appendix E: Year-Over-Year Sectorwide Medians Comparison

	2007	2008	2009	2010	2011	2012	2013	2014
Community Characteristics/Customer Growth and Concentration								
Population	119,037	234,103	162,338	144,162	150,142	153,272	172,778	149,025
MHI (\$)	40,656	45,733	45,820	47,179	50,146	50,294	51,518	49,655
Total Water Customers	37,299	61,076	50,410	37,264	40,755	39,441	48,169	40,431
Annual Growth (%)	2.5	2.4	1.6	1.7	1.4	0.5	0.4	0.6
Total Sewer Customers	32,903	64,039	48,000	40,306	48,949	34,984	50,296	35,210
Annual Growth (%)	2.8	2.5	1.9	1.5	1.7	0.6	0.8	0.6
Top 10 Customers as % of Revenues	9	8	8	7	7	8	8	8
Capacity								
Age of Plant (Years)	13	13	12	13	12	13	13	13
Water Treatment Capacity Remaining (%)	53	50	50	54	53	58	58	58
Sewer Treatment Capacity Remaining (%)	32	35	35	38	42	41	47	47
Capital Demands and Debt Policies								
Average Annual CIP Costs Per Customer (\$)	266	348	356	273	297	248	251	226
CIP Debt Financed (%)	62	63	66	60	49	45	39	32
Total Outstanding Debt to Net Plant Assets (%)	40	39	39	43	44	45	47	43
Debt to FADS (x)	—	—	4.9	5.5	6.4	6.7	6.8	6.1
Debt to Equity (x)	—	—	—	—	3.2	3.5	3.8	3.3
Total Outstanding Long-Term Debt Per Customer (\$)ª	1,012	1,185	1,454	1,297	1,527	1,611	1,650	1,581
Total Outstanding Long-Term Debt Per Capita (\$)ª	—	—	379	375	425	458	460	459
Ten-Year Principal Payout (%)	40	30	40	39	38	39	38	39
Twenty-Year Principal Payout (%)	87	70	82	80	79	80	78	80
Projected Debt Per Customer – Year Five (\$)ª	1,599	1,808	2,036	1,774	1,877	1,803	2,024	1,868
Projected Debt Per Capita – Year Five (\$)ª	—	—	607	446	531	532	566	519
Charges and Rate Affordability								
Individual Water/Sewer Utility Average Monthly Residential Bill (\$)	23	29	28	28	35	33	37	36
Individual Water/Sewer Utility Average Annual Bill as % of MHI	0.6	0.7	0.8	0.7	0.8	0.7	0.8	0.9
Combined Water/Sewer Utility Average Monthly Residential Bill (\$)	47	56	56	59	61	61	65	68
Combined Water/Sewer Utility Average Annual Bill as % of MHI	1.4	1.4	1.3	1.5	1.4	1.5	1.5	1.6
Average Annual Projected Water Rate Increases (%)	4.1	4.4	4.9	5.3	5.0	4.8	4.4	4.0
Average Annual Projected Sewer Rate Increases (%)	5.0	5.1	5.9	5.9	5.8	5.1	5.0	3.7
Coverage and Financial Performance/Cash and Balance Sheet Considerations								
Three-Year Historical Average Senior Lien ADS Coverage (x)ª	—	2.7	3.0	2.9	2.7	2.5	2.4	2.5
Senior Lien ADS Coverage (x)ª	2.3	2.8	2.9	2.6	2.3	2.2	2.4	2.7
Senior Lien ADS Coverage Excluding Connection Fees (x)	2.0	2.3	2.3	2.4	2.1	2.1	2.3	2.5
Senior Lien ADS Coverage Net of Transfers Out (x)	—	—	—	—	2.1	2.1	2.3	2.4
Minimum Projected Senior Lien ADS Coverage (x)ª	1.8	1.9	1.9	1.9	1.8	1.9	1.8	2.1
Senior Lien MADS Coverage (x)	1.9	2.0	2.1	2.4	1.9	2.1	2.0	2.1
Senior Lien Debt Service as % of Gross Revenues	18	16	15	16	17	17	17	16
Three-Year Historical Average All-In ADS Coverage (x)ª	—	—	2.1	2.4	2.3	2.1	2.0	2.0
All-In ADS Coverage (x)ª	—	2.2	2.3	2.2	1.9	1.8	2.0	2.1
All-In ADS Coverage Excluding Connection Fees (x)	—	—	1.8	1.9	1.7	1.7	1.8	1.9
All-In ADS Coverage Net of Transfers Out (x)	—	—	—	—	1.8	1.7	1.8	1.9
Minimum Projected All-In ADS Coverage (x)ª	—	—	1.7	1.6	1.5	1.6	1.5	1.7
All-In MADS Coverage (x)	—	—	1.8	2.0	1.7	1.6	1.6	1.7
All-In Debt Service as % of Gross Revenues	—	20	21	18	20	22	21	21
Operating Margin (%)	34	36	33	32	33	36	39	39
Operating Cash Flow Ratio (x)	—	—	1.1	1.0	1.0	1.1	1.3	1.3
Operating Revenue Growth – Current Year (%)	5.4	8.0	7.1	4.5	3.6	3.3	5.8	5.5
Operating Revenue Growth – Three-Year Average (%)	—	—	6.5	6.0	5.3	4.3	4.7	5.5
Operating Expenditure Growth – Current Year (%)	5.0	8.4	7.3	6.2	4.3	1.1	1.0	2.0
Operating Expenditure Growth – Three-Year Average (%)	—	—	7.5	7.7	8.1	4.1	2.7	1.9
Days of Operating Revenues in Accounts Receivable	45	45	47	48	46	47	46	46
Days Cash on Handª	266	313	331	344	328	310	417	404
Days of Working Capitalª	279	316	345	361	331	343	373	414
Quick Ratio	—	—	2.9	3.3	2.9	2.9	3.1	3.4
Current Ratio	—	—	3.3	3.8	3.3	3.9	3.8	4.1
Free Cash as % of Depreciationª	—	—	122	107	83	74	82	91
Capital Spending as % of Depreciation	223	264	240	214	219	187	167	134

ªIndicates key ratio. ADS – Annual debt service CIP – Capital improvement program. FADS – Funds available for debt service. MADS – Maximum annual debt service
MHI – Median household income.

Appendix F: 2014 Medians Relative to Rating Category

	Rating Category			All Credits
	AAA	AA	A	
Community Characteristics/Customer Growth and Concentration				
Population	328,169	150,653	76,499	149,025
MHI (\$)	65,144	48,266	47,776	49,655
Total Water Customers	79,397	40,431	28,905	40,431
Annual Growth (%)	0.9	0.6	0.2	0.6
Total Sewer Customers	90,068	33,292	18,063	35,210
Annual Growth (%)	0.8	0.6	0.4	0.6
Top 10 Customers as % of Revenues	6	9	6	8
Capacity				
Age of Plant (Years)	14	14	10	13
Water Treatment Capacity Remaining (%)	61	58	52	58
Sewer Treatment Capacity Remaining (%)	49	47	45	47
Capital Demands and Debt Policies				
Average Annual CIP Costs Per Customer (\$)	190	243	159	226
CIP Debt Financed (%)	22	40	22	32
Total Outstanding Debt to Net Plant Assets (%)	24	47	54	43
Debt to FADS (x)	4.0	6.4	6.6	6.1
Debt to Equity (x)	1.8	3.4	5.7	3.3
Total Outstanding Long-Term Debt Per Customer (\$) ^a	1,165	1,812	1,963	1,581
Total Outstanding Long-Term Debt Per Capita (\$) ^a	285	514	558	459
Ten-Year Principal Payout (%)	46	39	32	39
Twenty-Year Principal Payout (%)	90	77	74	80
Projected Debt Per Customer Year Five (\$) ^a	1,068	1,973	2,041	1,868
Projected Debt Per Capita Year Five (\$) ^a	254	558	584	519
Charges and Rate Affordability				
Individual Water/Sewer Utility Average Monthly Residential Bill (\$)	37	35	46	36
Individual Water/Sewer Utility Average Annual Bill as % MHI	0.6	0.9	1.0	0.9
Combined Water/Sewer Utility Average Monthly Residential Bill (\$)	62	70	63	68
Combined Water/Sewer Utility Average Annual Bill as % of MHI	1.2	1.6	1.8	1.6
Average Annual Projected Water Rate Increases (%)	3.0	4.3	3.3	4.0
Average Annual Projected Sewer Rate Increases (%)	5.0	3.7	3.1	3.7
Coverage and Financial Performance/Cash and Balance Sheet Considerations				
Three-Year Historical Average Senior Lien ADS Coverage (x) ^a	3.4	2.5	2.1	2.5
Senior Lien ADS Coverage (x) ^a	3.4	2.6	2.1	2.7
Senior Lien ADS Coverage Excluding Connection Fees (x)	3.1	2.4	2.0	2.5
Senior Lien ADS Coverage Net of Transfers Out (x)	3.2	2.4	2.1	2.4
Minimum Projected Senior Lien ADS Coverage (x) ^a	3.2	2.1	1.5	2.1
Senior Lien MADS Coverage (x)	2.7	2.1	2.0	2.1
Senior Lien Debt Service as % of Gross Revenues	12	16	24	16
Three-Year Historical Average All-In ADS Coverage (x) ^a	2.5	2.0	1.6	2.0
All-In ADS Coverage (x) ^a	2.6	2.0	1.7	2.1
All-In ADS Coverage Excluding Connection Fees (x)	2.3	1.8	1.6	1.9
All-In ADS Coverage Net of Transfers Out (x)	2.4	1.8	1.6	1.9
Minimum Projected All-In ADS Coverage (x) ^a	2.2	1.7	1.4	1.7
All-In MADS Coverage (x)	2.3	1.6	1.9	1.7
All-In Debt Service as % of Gross Revenues	18	22	24	21
Operating Margin (%)	38	39	48	39
Operating Cash Flow Ratio (x)	1.2	1.4	1.3	1.3
Operating Revenue Growth Current Year (%)	4.7	5.8	5.2	5.5
Operating Revenue Growth Three-Year Average (%)	5.3	5.0	7.2	5.5
Operating Expenditure Growth Current Year (%)	2.4	2.7	0.0	2.0
Operating Expenditure Growth Three-Year Average (%)	2.4	1.7	2.6	1.9
Days of Operating Revenues in Accounts Receivable	39	45	60	46
Days Cash on Hand ^a	671	398	254	404
Days of Working Capital ^a	621	410	275	414
Quick Ratio	4.2	3.4	1.9	3.4
Current Ratio	5.2	4.1	2.0	4.1
Free Cash as % of Depreciation ^a	114	87	102	91
Capital Spending as % of Depreciation	127	148	122	134

^aIndicates key ratio. ADS – Annual debt service. CIP – Capital improvement program. FADS – Funds available for debt service. MADS – Maximum annual debt service. MHI – Median household income.

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Response to Request No. 3-92

**CITY OF AUSTIN, TEXAS
AUSTIN WATER UTILITY**

Budget FY 2013-17

Option #30

*** DRAFT ***

WASTEWATER OPTION VARIABLES

	Amended Budget 2011-12	Estimated 2011-12	1 Proposed 2012-13	2 Projected 2013-14	3 Projected 2014-15	4 Projected 2015-16	5 Projected 2016-17
Ending Fund Balance	18,555,957	17,026,521	31,322,403	27,413,131	28,617,098	29,866,539	30,995,639
Target Ending Balance	\$ 18,571,398	\$ 18,671,659	\$ 26,033,178	\$ 27,408,885	\$ 28,614,927	\$ 29,862,645	\$ 30,993,837
Variance Actual vs Target	(15,441)	(1,645,138)	5,289,225	4,246	2,171	3,894	1,802
Rate Increase Percentage	3.5%	3.5%	6.0%	2.4%	2.4%	2.4%	1.0%
Combined			5.5%	4.0%	4.0%	4.0%	1.6%
Debt Coverage Ratio	1.50	1.43	1.49	1.54	1.64	1.63	1.65
Combined			1.56	1.55	1.66	1.66	1.65
Rate Increase Revenues		\$0	\$13,200,000	\$5,800,000	\$5,900,000	\$6,200,000	\$2,800,000
CIP Transfer Summary:							
Operating Fund Current Revenue	\$29,300,000	\$29,300,000	\$10,000,000	\$32,935,000	\$34,560,000	\$34,750,000	\$36,875,000
					5-Year Rate Increase:		14.3%
Wastewater Equity Financing of CIP	55.6%	44.4%	24.7%	57.1%	51.0%	59.2%	54.3%
Combined Equity Financing of CIP	26.1%	22.5%	27.6%	30.9%	44.5%	50.2%	53.7%
CIP Bond Funding Plan							
					5-Year Wastewater CIP Spending Plan >>>>>		\$363.66 million
Projected CIP Spending Plan	\$96,312,000	\$96,312,000	\$60,367,000	\$69,436,000	\$81,439,000	\$70,731,000	\$81,682,000
Projected Spending (ARRA)	10,084,000	10,084,000	0	0	0	0	0
Projected CIP Spending Plan (Without ARRA)	\$86,228,000	\$86,228,000	\$60,367,000	\$69,436,000	\$81,439,000	\$70,731,000	\$81,682,000
Less:							
Current Revenue Spending - Current	29,300,000	29,300,000	10,000,000	32,935,000	34,560,000	34,750,000	36,875,000
Current Revenue Spending - Previous	500,000	500,000	17,133,950	10,000,000	15,000,000	0	0
CRF Spending - Previous	0	0	0	0	0	0	0
Fee Supported Services	0	0	0	0	0	0	0
Capital Equipment funded by GOs	1,650,000	1,650,000	1,038,000	1,500,000	1,500,000	1,500,000	1,500,000
CIP Spending Timing Adjustment	28,893,600	14,447,000	9,055,000	6,944,000	8,144,000	7,073,000	8,168,000
Current Revenues - Acc. Balance Usage	0	0	0	0	0	0	0
CIP Timing Adj (%)							
	70.0%	85.0%	85.0%	90.0%	90.0%	90.0%	90.0%
Total Bond Funding Requirements	\$25,884,400	\$40,331,000	\$23,140,050	\$18,057,000	\$22,235,000	\$27,408,000	\$35,139,000
Total Bond Issues	25,884,000	40,331,000	23,140,000	18,057,000	22,235,000	27,408,000	35,139,000
Combined Equity in Utility System Assets							
			35.4%	37.5%	40.2%	42.7%	44.9%
Revenue Summary:							
Base Revenues Without Rate Increases	\$216,345,137	\$211,354,289	\$218,598,910	\$222,962,634	\$225,945,852	\$229,341,959	\$232,425,147
Current Year Rate Adjustment	0	0	13,200,000	5,800,000	5,900,000	6,200,000	2,800,000
Prior Year Rate Adjustment	0	0	0	14,569,678	21,106,140	27,866,026	34,990,296
Revenue Stability Fee	0	0	0	0	0	0	0
Total Revenues	\$216,345,137	\$211,354,289	\$231,798,910	\$243,332,312	\$252,951,992	\$263,407,985	\$270,215,443
Base Revenue Growth % From Prior Year			1.04%	2.00%	1.34%	1.50%	1.34%
5-Year Average Base Revenue Growth	1.44%						
Total Revenue Growth % From Prior Year			7.14%	4.98%	3.95%	4.13%	2.58%
5-Year Average Total Revenue Growth	4.56%						
CIP Equity Financing Summary - Wastewater:							
Total CIP Transfers	\$29,300,000	\$29,300,000	\$10,000,000	\$32,935,000	\$34,560,000	\$34,750,000	\$36,875,000
Fee Supported Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Current Revenues - Acc. Balance Usage	0	0	0	0	0	0	0
Avoided CIP Backcharges in O&M	2,600,000	2,600,000	2,678,000	2,758,340	2,841,090	2,926,323	3,014,113
Total Equity Financing of CIP (1)	\$31,900,000	\$31,900,000	\$12,678,000	\$35,693,340	\$37,401,090	\$37,676,323	\$39,889,113
CIP Spending Plan (Without ARRA)	\$86,228,000	\$86,228,000	\$60,367,000	\$69,436,000	\$81,439,000	\$70,731,000	\$81,682,000
Less: CIP Spending Timing Adjustment	(28,893,600)	(14,447,000)	(9,055,000)	(6,944,000)	(8,144,000)	(7,073,000)	(8,168,000)
Total CIP Spending (2)	\$57,334,400	\$71,781,000	\$51,312,000	\$62,492,000	\$73,295,000	\$63,658,000	\$73,514,000
WW CIP Equity Financing Percentage (1)/(2)	55.6%	44.4%	24.7%	57.1%	51.0%	59.2%	54.3%

Response to Request No. 3-93

**CITY OF AUSTIN, TEXAS
AUSTIN WATER UTILITY**

Budget FY 2013-17

Option #30

*** DRAFT ***

**Wastewater Operating Budget
Fund Summary**

	Actual 2009-10	Actual 2010-11	Amended Budget 2011-12	Estimated 2011-12	1 Proposed 2012-13	2 Projected 2013-14	3 Projected 2014-15	4 Projected 2015-16	5 Projected 2016-17
BEGINNING BALANCE:	\$34,459,839	\$39,535,751	\$24,878,633	\$29,419,314	\$17,026,521	\$31,322,403	\$27,413,131	\$28,617,098	\$29,866,539
REVENUES:									
Water Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wastewater Services	186,764,058	199,898,274	216,345,137	211,354,289	231,798,910	243,332,312	252,951,992	263,407,985	270,215,443
Reclaimed Water Services	3,667	7,552	0	0	0	0	0	0	0
Revenue Stability Fee	0	0	0	0	0	0	0	0	0
Reserve Fund Surcharge	0	0	0	0	0	0	0	0	0
Miscellaneous Revenue	4,071,126	3,779,845	3,928,351	3,134,801	4,680,700	4,755,500	4,831,800	4,811,400	4,885,900
Interest Income	513,505	299,141	399,742	166,050	339,596	601,785	735,977	950,244	975,179
TOTAL REVENUES:	\$191,352,356	\$203,984,812	\$220,673,230	\$214,655,140	\$236,819,206	\$248,689,597	\$258,519,769	\$269,169,629	\$276,076,522
TRANSFERS IN:									
Public Works	\$150,291	\$150,291	\$150,291	\$150,291	\$150,291	\$150,291	\$150,291	\$150,291	\$150,291
Capital Recovery Fees	8,964,345	1,800,000	1,300,000	1,300,000	1,800,000	1,800,000	1,900,000	2,500,000	2,550,000
Reclaimed Utility Fund	0	0	0	0	0	0	0	0	0
TOTAL TRANSFERS IN:	\$9,114,636	\$1,950,291	\$1,450,291	\$1,450,291	\$1,950,291	\$1,950,291	\$2,050,291	\$2,650,291	\$2,700,291
TOTAL AVAILABLE FUNDS	\$200,466,992	\$205,935,103	\$222,123,521	\$216,105,431	\$238,769,497	\$250,639,888	\$260,570,060	\$271,819,920	\$278,776,813
OPERATING REQUIREMENTS									
Operations and Maintenance									
Treatment	\$28,418,932	\$29,038,331	\$32,364,226	\$33,264,554	\$36,020,347	\$36,475,232	\$37,187,987	\$37,917,307	\$38,783,338
Pipeline Operations	14,547,628	13,190,934	14,536,498	14,647,409	16,260,815	16,586,838	17,070,995	17,564,593	17,946,349
Engineering Services	5,717,303	5,835,252	6,440,203	6,013,098	7,014,952	7,072,782	7,210,416	7,351,565	7,511,480
Water Resources Management	1,855,677	1,979,439	2,224,054	2,296,524	2,564,670	2,571,011	2,618,506	2,667,353	2,719,240
Environmental Affairs & Conservation	1,881,335	1,969,785	1,872,832	1,842,968	2,181,443	2,189,168	2,229,443	2,270,837	2,315,393
Support Services - Utility	8,089,266	7,934,261	8,880,249	8,772,716	9,657,851	9,718,339	9,900,641	10,087,728	10,295,534
Reclaimed Water Services	0	0	0	0	0	0	0	0	0
One Stop Shop	296,372	335,680	353,186	353,186	387,789	388,677	396,168	403,874	412,033
Other Operating Expenses	2,402,216	2,371,864	2,892,292	2,864,110	2,970,126	4,172,620	5,523,167	6,810,282	7,580,539
Total Operations & Maintenance	\$63,208,729	\$62,655,546	\$69,063,540	\$70,054,565	\$77,057,993	\$79,174,667	\$82,137,323	\$85,073,539	\$87,563,906
(%RR)	32.2%	28.9%	30.2%	30.7%	34.3%	31.1%	31.7%	31.4%	31.5%
Other Requirements:									
Accrued Payroll	\$178,278	\$120,083	\$94,933	\$106,189	\$160,510	\$184,587	\$212,275	\$244,116	\$280,733
27th Pay Period Expense	0	1,385,569	0	0	0	0	0	0	0
27th Pay Period Expense Refund	0	(1,442,998)	0	0	0	0	0	0	0
Workers' Compensation Fund	488,529	526,336	511,201	511,201	597,516	621,440	646,322	672,200	699,114
Liability Reserve Fund	310,000	310,000	275,000	275,000	250,000	255,000	260,100	265,302	270,608
Administrative Support - City	3,277,205	3,151,132	3,454,056	3,454,056	4,822,928	5,184,648	5,573,497	5,991,509	6,440,872
AE Billing & Customer Care	4,050,225	5,339,930	5,982,441	5,982,441	6,129,251	6,742,176	7,416,394	8,158,033	8,565,935
311 System Support	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
CTM Support	2,087,332	2,119,085	1,562,614	1,562,614	1,723,698	1,844,357	1,973,462	2,111,604	2,259,416
CTECC Emergency Operations Center	0	3,845	2,997	2,997	3,558	3,558	3,558	3,558	3,558
Wage Adjustments Market Study	0	0	270,379	0	0	668,015	688,055	708,697	729,958
Additional Contribution to Retirement	1,026,811	1,543,602	2,206,545	2,206,545	0	0	0	0	0
Total Other Requirements:	\$11,918,380	\$13,556,584	\$14,860,166	\$14,601,043	\$14,187,461	\$16,003,781	\$17,273,663	\$18,655,019	\$19,750,194
TOTAL OPERATING REQUIREMENTS:	\$75,127,109	\$76,212,130	\$83,923,706	\$84,655,608	\$91,245,454	\$95,178,448	\$99,410,986	\$103,728,558	\$107,314,100
(%RR)	38.2%	35.2%	36.7%	37.0%	40.6%	37.4%	38.3%	38.3%	38.7%
DEBT SERVICE									
Revenue Bond Debt Service	\$78,359,259	\$84,148,089	\$92,356,082	\$91,794,560	\$99,125,042	\$101,004,184	\$98,127,279	\$103,160,612	\$103,968,562
Commercial Paper Debt Service	237,676	208,851	322,410	236,263	72,955	170,367	250,359	344,601	431,916
Contract Bond Debt Service	606,181	0	0	0	0	0	0	0	0
General Obligation Debt Service	2,755,769	2,965,505	3,144,330	3,112,124	2,870,579	2,449,196	2,036,992	2,036,716	1,989,155
Water District Bonds	952,815	787,224	453,110	453,110	450,631	451,735	450,082	457,984	406,655
TOTAL DEBT SERVICE	\$82,911,700	\$88,109,649	\$96,275,932	\$95,596,057	\$102,519,207	\$104,075,482	\$100,864,712	\$105,999,913	\$106,796,288
(%RR)	42.2%	40.6%	42.1%	41.8%	45.7%	40.9%	38.9%	39.2%	38.5%
TRANSFERS OUT:									
Capital Improvements Program	\$21,340,000	\$34,190,000	\$29,300,000	\$29,300,000	\$10,000,000	\$32,935,000	\$34,560,000	\$34,750,000	\$36,875,000
General Fund	14,707,299	15,777,461	16,172,575	16,172,575	16,802,030	18,044,790	19,266,721	20,336,781	21,221,026
Revenue Stability Reserve Fund	0	0	0	0	0	0	0	0	0
Radio Communications Fund	132,239	143,736	180,989	180,989	192,469	197,281	202,213	207,268	212,450
Sustainability Fund	2,051,767	2,041,506	2,208,732	2,208,732	2,368,192	2,486,896	2,585,198	2,691,696	2,760,765
Reclaimed Utility Fund	0	0	0	0	960,000	1,245,000	2,090,000	2,470,000	2,080,000
Economic Incentives Reserve Fund	0	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667
Public Improvement District	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500	37,500
Transfer to PARD CIP-Swimming Pools	0	0	0	0	0	0	0	0	0
Environmental Remediation Fund	120,750	120,750	182,096	182,096	182,096	182,096	182,096	182,096	183,917
TOTAL TRANSFERS OUT	\$38,389,555	\$52,477,620	\$48,246,559	\$48,246,559	\$30,708,954	\$55,295,230	\$59,090,395	\$60,842,008	\$63,537,325
(%RR)	19.5%	24.2%	21.1%	21.1%	13.7%	21.7%	22.8%	22.5%	22.9%
TOTAL REQUIREMENTS:	\$196,428,364	\$216,799,399	\$228,446,197	\$228,498,224	\$224,473,615	\$254,549,160	\$259,366,093	\$270,570,479	\$277,647,713
EXCESS / (DEFICIENCY) OF TOTAL AVAILABLE FUNDS OVER TOTAL REQUIREMENTS	\$4,038,628	(\$10,864,296)	(\$6,322,676)	(\$12,392,793)	\$14,295,882	(\$3,909,272)	\$1,203,967	\$1,249,441	\$1,129,100
ADJUSTMENT TO GAAP	\$1,037,284	\$747,859	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENDING BALANCE:	\$39,535,751	\$29,419,314	\$18,555,957	\$17,026,521	\$31,322,403	\$27,413,131	\$28,617,098	\$29,866,539	\$30,995,639
Wastewater Rate Increases	3.3%	3.6%	3.5%	3.5%	6.0%	2.4%	2.4%	2.4%	1.0%
Debt Service Coverage Ratio			1.50	1.43	1.49	1.54	1.64	1.63	1.65

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**CITY OF AUSTIN, TEXAS
AUSTIN WATER UTILITY**

REVENUE BOND DEBT SERVICE

	Amended Budget 2011-12	Estimated 2011-12	1 Proposed 2012-13	2 Projected 2013-14	3 Projected 2014-15	4 Projected 2015-16	5 Projected 2016-17
REVENUE BOND ISSUES							
EXISTING RBDS - Combined							
Refunding PL Bonds, Series 1990B	\$0	\$0	\$0	\$2,025,679	\$2,700,906	\$2,700,906	\$2,697,555
Refunding PL Bonds, Series 1992	14,333,877	14,333,877	3,582,972	0	0	0	0
Refunding PL Bonds, Series 1992A	3,137,343	3,137,343	0	0	0	0	0
Refunding PL Bonds, Series 1993	5,249,369	5,249,369	4,663,918	48,050	0	0	0
Refunding PL Bonds, Series 1994	0	0	0	0	0	0	36,105,000
Refunding PL Bonds, Series 1998	2,752,475	2,752,475	671,554	0	0	0	0
Sub Lien Bonds, TWDB Series 1998B	772,753	659,405	158,984	0	0	0	0
Refunding Sub Lien Bonds, Series 1998	2,201,163	2,201,163	2,220,098	2,537,627	2,553,952	5,615,846	3,197,516
Refunding Sub Lien Bonds, Series 1998A	7,443,600	5,497,020	5,493,313	5,683,313	17,508,313	6,143,313	6,023,313
Refunding SL Bonds, Series 2000	0	0	0	0	0	0	0
Refunding SL Bonds, Series 2001A	692,401	295,889	53,734	0	0	0	0
Refunding SL Bonds, Series 2001B	415,147	60,958	0	0	0	0	0
Refunding SL Bonds, Series 2001C	1,423,402	1,423,402	10,374,909	2,113,659	501,199	0	0
Refunding SL Bonds, Series 2002A	9,204,550	9,204,550	18,218,897	20,608,078	16,886,244	15,674,668	3,840,281
Refunding SL Bonds, Series 2003	7,499,250	7,499,250	4,385,500	3,365,500	6,815,501	4,344,437	3,170,000
Refunding SL Bonds, Series 2004A	12,211,282	12,211,282	12,209,782	12,206,874	12,204,531	12,203,281	12,202,375
Refunding SL Bonds, Series 2005	16,225,581	16,225,581	21,599,425	22,620,518	19,198,988	21,649,288	22,703,656
Refunding SL Bonds, Series 2005A	9,084,036	9,084,036	9,033,974	8,988,224	8,946,286	8,902,755	8,857,380
Refunding SL Bonds, Series 2006	5,086,782	5,086,782	5,246,844	5,425,156	4,788,562	4,715,844	3,532,594
Refunding SL Bonds, Series 2006A	8,146,557	8,146,557	8,150,338	8,153,681	8,155,057	8,157,963	8,159,432
Refunding SL Bonds, Series 2007	8,778,105	8,778,105	8,780,280	8,795,805	8,800,102	8,802,586	8,805,715
Refunding SL Bonds, Series 2009 (Jan09)	14,224,050	14,224,050	14,250,075	14,280,119	14,288,932	14,266,588	14,301,019
Refunding SL Bonds, Series 2009A (Nov09)	11,303,995	11,303,995	11,307,556	11,297,181	11,298,181	11,301,256	11,311,531
Refunding SL Bonds, Series 2010 ARRA (V)	798,750	798,750	1,065,000	1,061,250	1,060,000	1,060,000	1,060,000
Refunding SL Bonds, Series 2010A	3,829,756	3,829,756	4,819,756	5,144,806	5,145,081	5,150,656	5,150,600
Refunding SL Bonds, Series 2010B (BABs)	5,443,866	5,443,866	5,443,866	5,443,866	7,363,867	7,981,751	7,959,918
Refunding SL Bonds, Series 2011	8,400,820	10,248,425	11,214,082	11,589,080	11,705,331	11,695,331	12,330,332
Variable Rate Bonds 2004	11,209,449	11,209,447	10,319,182	15,851,118	16,220,793	35,227,568	7,563,340
Variable Rate Bonds 2008 (May08)	12,160,670	12,160,671	16,532,800	24,927,976	7,917,430	7,611,913	8,086,834
Projected Refunding Savings	0	0	(2,230,030)	(1,441,874)	(415,004)	(4,339,860)	1,916,117
EXISTING DEBT SERVICE - COMBINED	\$182,029,029	\$181,066,004	\$187,566,809	\$190,725,686	\$183,644,252	\$188,866,090	\$188,974,508

REVENUE BOND DEBT SERVICE

		Amended Budget 2011-12	Estimated 2011-12	1 Proposed 2012-13	2 Projected 2013-14	3 Projected 2014-15	4 Projected 2015-16	5 Projected 2016-17
REVENUE BOND ISSUES								
PROJECTED RBDS - Combined								
2011-12	183,550,000	\$0	\$0	\$9,980,532	\$10,538,830	\$11,275,745	\$11,263,077	\$11,244,600
2012-13	182,875,000	0	0	0	9,943,828	10,500,073	11,234,278	11,221,658
2013-14	0	0	0	0	0	0	0	0
2014-15	104,499,999	0	0	0	0	4,800,469	6,783,792	7,191,983
2015-16	104,500,000	0	0	0	0	0	4,800,469	6,783,791
2016-17	104,500,000	0	0	0	0	0	0	4,800,468
2017-18	104,500,000	0	0	0	0	0	0	0
2018-19	104,499,999	0	0	0	0	0	0	0
2019-20	156,750,000	0	0	0	0	0	0	0
2020-21	141,075,000	0	0	0	0	0	0	0
2021-22	104,499,999	0	0	0	0	0	0	0
2022-23	0	0	0	0	0	0	0	0
2023-24	104,500,001	0	0	0	0	0	0	0
2024-25	0	0	0	0	0	0	0	0
2025-26	104,500,000	0	0	0	0	0	0	0
2026-27	104,500,000	0	0	0	0	0	0	0
2027-28	104,500,001	0	0	0	0	0	0	0
2028-29	104,500,000	0	0	0	0	0	0	0
2029-30	104,500,000	0	0	0	0	0	0	0
2030-31	104,500,000	0	0	0	0	0	0	0
2031-32	0	0	0	0	0	0	0	0
2032-33	104,500,000	0	0	0	0	0	0	0
2033-34	104,500,000	0	0	0	0	0	0	0
2034-35	0	0	0	0	0	0	0	0
2035-36	130,625,000	0	0	0	0	0	0	0
2036-37	156,750,000	0	0	0	0	0	0	0
2037-38	156,750,000	0	0	0	0	0	0	0
2038-39	0	0	0	0	0	0	0	0
2039-40	156,750,000	0	0	0	0	0	0	0
2040-41	156,749,999	0	0	0	0	0	0	0
2041-42	156,750,002	0	0	0	0	0	0	0
2042-43	156,750,000	0	0	0	0	0	0	0
2043-44	0	0	0	0	0	0	0	0
2044-45	182,875,001	0	0	0	0	0	0	0
2045-46	182,875,000	0	0	0	0	0	0	0
2046-47	182,875,000	0	0	0	0	0	0	0
2047-48	182,875,000	0	0	0	0	0	0	0
2048-49	0	0	0	0	0	0	0	0
2049-50	182,875,001	0	0	0	0	0	0	0
2050-51	209,000,000	0	0	0	0	0	0	0
2051-52	209,000,001	0	0	0	0	0	0	0
2052-53	208,999,999	0	0	0	0	0	0	0
2053-54	209,000,000	0	0	0	0	0	0	0
2054-55	0	0	0	0	0	0	0	0
2055-56	235,125,000	0	0	0	0	0	0	0
2056-57	235,125,000	0	0	0	0	0	0	0
2057-58	235,125,001	0	0	0	0	0	0	0
2058-59	235,124,999	0	0	0	0	0	0	0
2059-60	0	0	0	0	0	0	0	0
2060-61	235,124,999	0	0	0	0	0	0	0
2061-62	235,125,001	0	0	0	0	0	0	0
Total Projected Debt Service		\$0	\$0	\$9,980,532	\$20,482,658	\$26,576,287	\$34,081,616	\$41,242,500
Revenue Bond Debt Service:								
Existing Revenue Bond	\$182,029,029	\$181,066,004	\$187,566,809	\$190,725,686	\$183,644,252	\$188,866,090	\$188,974,508	
Projected Revenue Bond	0	0	9,980,532	20,482,658	26,576,287	34,081,616	41,242,500	
Total Revenue Bond Debt Service	\$182,029,029	\$181,066,004	\$197,547,341	\$211,208,344	\$210,220,539	\$222,947,706	\$230,217,008	
	O.K.!	O.K.!	O.K.!	O.K.!	O.K.!	O.K.!	O.K.!	

REVENUE BOND DEBT SERVICE

	Amended Budget 2011-12	Estimated 2011-12	1 Proposed 2012-13	2 Projected 2013-14	3 Projected 2014-15	4 Projected 2015-16	5 Projected 2016-17
REVENUE BOND ISSUES							
EXISTING RBDS - Water	Includes Reclaimed for FY2012						
Refunding PL Bonds, Series 1990B	\$ 0	\$ 0	\$ 0	\$ 456,183	\$ 608,244	\$ 608,244	\$ 607,489
Refunding PL Bonds, Series 1992	6,340,032	6,340,032	1,584,788	0	0	0	0
Refunding PL Bonds, Series 1992A	1,554,843	1,554,843	0	0	0	0	0
Refunding PL Bonds, Series 1993	2,091,186	2,091,186	1,857,960	19,142	0	0	0
Refunding PL Bonds, Series 1994	0	0	0	0	0	0	17,475,084
Refunding PL Bonds, Series 1998	1,519,804	1,519,804	370,805	0	0	0	0
Sub Lien Bonds, TWDB Series 1998B	772,753	659,405	0	0	0	0	0
Refunding Sub Lien Bonds, Series 1998	1,064,605	1,064,605	1,073,763	1,227,338	1,235,234	2,716,137	1,546,497
Refunding Sub Lien Bonds, Series 1998A	4,466,160	3,298,212	3,295,988	3,409,988	10,504,988	3,685,988	3,613,988
Refunding SL Bonds, Series 2000	0	0	0	0	0	0	0
Refunding SL Bonds, Series 2001A	342,052	55,931	0	0	0	0	0
Refunding SL Bonds, Series 2001B	415,147	60,958	0	0	0	0	0
Refunding SL Bonds, Series 2001C	635,884	635,884	4,634,838	944,246	223,903	0	0
Refunding SL Bonds, Series 2002A	4,217,957	4,217,957	8,348,753	9,443,588	7,738,069	7,182,868	1,759,797
Refunding SL Bonds, Series 2003	3,767,856	3,767,856	2,016,764	1,547,696	3,134,251	1,997,881	1,457,791
Refunding SL Bonds, Series 2004A	3,986,410	3,986,410	3,684,216	3,683,339	3,682,632	3,682,255	3,681,981
Refunding SL Bonds, Series 2005	11,753,827	11,753,827	15,646,645	16,386,326	13,907,766	15,682,766	16,446,551
Refunding SL Bonds, Series 2005A	3,400,245	3,400,245	3,100,035	3,084,336	3,069,945	3,055,007	3,039,437
Refunding SL Bonds, Series 2006	2,077,264	2,077,264	2,098,738	2,170,063	1,915,425	1,886,338	1,413,038
Refunding SL Bonds, Series 2006A	2,124,661	2,124,661	2,125,647	2,126,519	2,126,878	2,127,636	2,128,019
Refunding SL Bonds, Series 2007	3,079,781	3,079,781	3,057,197	3,062,603	3,064,099	3,064,964	3,066,053
Refunding SL Bonds, Series 2009 (Jan09)	6,153,111	6,153,111	5,922,132	5,934,617	5,938,280	5,928,994	5,943,303
Refunding SL Bonds, Series 2009A (Nov09)	5,657,921	5,657,921	5,365,345	5,360,422	5,360,897	5,362,356	5,367,231
Refunding SL Bonds, Series 2010 ARRA (W)	0	0	0	0	0	0	0
Refunding SL Bonds, Series 2010A	1,302,117	1,302,117	963,951	1,028,961	1,029,016	1,030,131	1,030,120
Refunding SL Bonds, Series 2010B (BABs)	4,356,764	4,356,764	3,832,961	3,832,961	5,184,810	5,619,855	5,604,483
Refunding SL Bonds, Series 2011	5,695,367	7,215,471	7,727,984	7,986,408	8,066,520	8,059,629	8,497,228
Variable Rate Bonds 2004	5,169,078	5,169,076	4,758,544	7,309,518	7,479,988	16,244,693	3,487,727
Variable Rate Bonds 2008 (May08)	7,728,122	7,728,123	9,763,226	14,364,732	5,443,907	5,337,026	5,589,418
Projected Refunding Savings	0	0	(1,025,814)	(663,262)	(190,902)	(1,996,336)	881,414
EXISTING DEBT SERVICE - WATER	\$ 89,672,947	\$ 89,271,444	\$ 90,204,466	\$ 92,715,724	\$ 89,523,950	\$ 91,276,432	\$ 92,636,649
DS Factors (30yr Nov) 5.25%	0.045938	0.064917	0.068823	0.068625	0.068390	0.068174	0.068047
DS Factors (30yr Jul) 4.50%	0.000000	0.054375	0.057417	0.061431	0.061362	0.061262	0.061185
DS Factors (30yr Nov) 5.25%	0.045938	0.064917	0.068823	0.068625	0.068390	0.068174	0.068047
DS Factors (30yr Nov) 5.25%	0.045938	0.064917	0.068823	0.068625	0.068390	0.068174	0.068047

REVENUE BOND DEBT SERVICE

		Amended Budget 2011-12	Estimated 2011-12	1 Proposed 2012-13	2 Projected 2013-14	3 Projected 2014-15	4 Projected 2015-16	5 Projected 2016-17
REVENUE BOND ISSUES								
PROJECTED RBDS - Water								
2011-12	96,500,000	0	0	5,247,188	5,540,709	5,928,136	5,921,476	5,911,762
2012-13	167,200,000	0	0	0	9,091,500	9,600,067	10,271,340	10,259,802
2013-14	0	0	0	0	0	0	0	0
2014-15	82,740,218	0	0	0	0	3,800,879	5,371,219	5,694,414
2015-16	76,413,998	0	0	0	0	0	3,510,268	4,960,542
2016-17	66,949,363	0	0	0	0	0	0	3,075,486
2017-18	50,070,873	0	0	0	0	0	0	0
2018-19	45,843,904	0	0	0	0	0	0	0
2019-20	47,028,591	0	0	0	0	0	0	0
2020-21	28,919,935	0	0	0	0	0	0	0
2021-22	17,239,791	0	0	0	0	0	0	0
2022-23	0	0	0	0	0	0	0	0
2023-24	33,564,810	0	0	0	0	0	0	0
2024-25	0	0	0	0	0	0	0	0
2025-26	49,022,891	0	0	0	0	0	0	0
2026-27	53,970,516	0	0	0	0	0	0	0
2027-28	60,394,179	0	0	0	0	0	0	0
2028-29	66,735,421	0	0	0	0	0	0	0
2029-30	66,271,721	0	0	0	0	0	0	0
2030-31	71,462,225	0	0	0	0	0	0	0
2031-32	0	0	0	0	0	0	0	0
2032-33	81,787,322	0	0	0	0	0	0	0
2033-34	71,065,326	0	0	0	0	0	0	0
2034-35	0	0	0	0	0	0	0	0
2035-36	79,590,560	0	0	0	0	0	0	0
2036-37	90,993,608	0	0	0	0	0	0	0
2037-38	90,330,944	0	0	0	0	0	0	0
2038-39	0	0	0	0	0	0	0	0
2039-40	84,973,122	0	0	0	0	0	0	0
2040-41	85,541,040	0	0	0	0	0	0	0
2041-42	84,274,920	0	0	0	0	0	0	0
2042-43	80,061,643	0	0	0	0	0	0	0
2043-44	0	0	0	0	0	0	0	0
2044-45	107,645,650	0	0	0	0	0	0	0
2045-46	106,901,567	0	0	0	0	0	0	0
2046-47	112,310,506	0	0	0	0	0	0	0
2047-48	117,676,717	0	0	0	0	0	0	0
2048-49	0	0	0	0	0	0	0	0
2049-50	123,426,503	0	0	0	0	0	0	0
2050-51	140,806,880	0	0	0	0	0	0	0
2051-52	142,771,656	0	0	0	0	0	0	0
2052-53	144,924,506	0	0	0	0	0	0	0
2053-54	144,859,912	0	0	0	0	0	0	0
2054-55	0	0	0	0	0	0	0	0
2055-56	156,620,879	0	0	0	0	0	0	0
2056-57	149,335,399	0	0	0	0	0	0	0
2057-58	153,014,871	0	0	0	0	0	0	0
2058-59	163,669,722	0	0	0	0	0	0	0
2059-60	0	0	0	0	0	0	0	0
2060-61	176,852,118	0	0	0	0	0	0	0
2061-62	177,693,050	0	0	0	0	0	0	0
Total Projected Debt Service - Water		\$0	\$0	\$5,247,188	\$14,632,209	\$19,329,082	\$25,074,303	\$29,902,006
Revenue Bond Debt Service - Water:								
Existing Revenue Bond - Water		\$89,672,947	\$89,271,444	\$90,204,466	\$92,715,724	\$89,523,950	\$91,276,432	\$92,636,649
Projected Revenue Bond - Water		0	0	5,247,188	14,632,209	19,329,082	25,074,303	29,902,006
TOTAL REVENUE BOND DS - WATER		\$89,672,947	\$89,271,444	\$95,451,654	\$107,347,933	\$108,853,032	\$116,350,735	\$122,538,655

REVENUE BOND DEBT SERVICE

REVENUE BOND ISSUES	Amended Budget 2011-12	Estimated 2011-12	1 Proposed 2012-13	2 Projected 2013-14	3 Projected 2014-15	4 Projected 2015-16	5 Projected 2016-17
EXISTING RBDS - Wastewater							
Refunding PL Bonds, Series 1990B	\$ 0	\$ 0	\$ 0	\$ 1,569,496	\$ 2,092,662	\$ 2,092,662	\$ 2,090,066
Refunding PL Bonds, Series 1992	7,993,845	7,993,845	1,998,184	0	0	0	0
Refunding PL Bonds, Series 1992A	1,582,500	1,582,500	0	0	0	0	0
Refunding PL Bonds, Series 1993	3,158,183	3,158,183	2,805,958	28,908	0	0	0
Refunding PL Bonds, Series 1994	0	0	0	0	0	0	18,629,916
Refunding PL Bonds, Series 1998	1,232,671	1,232,671	300,749	0	0	0	0
Sub Lien Bonds, TWDB Series 1998B	0	0	0	0	0	0	0
Refunding Sub Lien Bonds, Series 1998	1,136,558	1,136,558	1,146,335	1,310,289	1,318,718	2,899,709	1,651,019
Refunding Sub Lien Bonds, Series 1998A	2,977,440	2,198,808	2,197,325	2,273,325	7,003,325	2,457,325	2,409,325
Refunding SL Bonds, Series 2000	0	0	0	0	0	0	0
Refunding SL Bonds, Series 2001A	350,349	239,958	53,734	0	0	0	0
Refunding SL Bonds, Series 2001B	0	0	0	0	0	0	0
Refunding SL Bonds, Series 2001C	787,518	787,518	5,740,071	1,169,413	277,296	0	0
Refunding SL Bonds, Series 2002A	4,986,593	4,986,593	9,870,144	11,164,490	9,148,175	8,491,800	2,080,484
Refunding SL Bonds, Series 2003	3,731,394	3,731,394	2,182,089	1,674,568	3,391,182	2,161,657	1,577,294
Refunding SL Bonds, Series 2004A	8,224,872	8,224,872	8,223,862	8,221,904	8,220,325	8,219,483	8,218,873
Refunding SL Bonds, Series 2005	4,471,754	4,471,754	5,952,780	6,234,192	5,291,222	5,966,522	6,257,105
Refunding SL Bonds, Series 2005A	5,683,791	5,683,791	5,652,467	5,623,842	5,597,602	5,570,365	5,541,974
Refunding SL Bonds, Series 2006	3,009,518	3,009,518	3,104,216	3,209,712	2,833,081	2,790,058	2,090,006
Refunding SL Bonds, Series 2006A	6,021,896	6,021,896	6,024,691	6,027,162	6,028,179	6,030,327	6,031,413
Refunding SL Bonds, Series 2007	5,698,324	5,698,324	5,699,736	5,709,814	5,712,604	5,714,216	5,716,248
Refunding SL Bonds, Series 2009 (Jan09)	8,070,939	8,070,939	8,085,706	8,102,754	8,107,754	8,095,076	8,114,613
Refunding SL Bonds, Series 2009A (Nov09)	5,646,074	5,646,074	5,647,853	5,642,671	5,643,170	5,644,706	5,649,838
Refunding SL Bonds, Series 2010 ARRA (W	798,750	798,750	1,065,000	1,061,250	1,060,000	1,060,000	1,060,000
Refunding SL Bonds, Series 2010A	2,527,639	2,527,639	3,181,039	3,395,572	3,395,754	3,399,433	3,399,396
Refunding SL Bonds, Series 2010B (BABs)	1,087,102	1,087,102	1,087,102	1,087,102	1,470,513	1,593,900	1,589,540
Refunding SL Bonds, Series 2011	2,705,453	3,032,954	3,318,734	3,429,712	3,464,116	3,461,156	3,649,081
Variable Rate Bonds 2004	6,040,371	6,040,371	5,560,638	8,541,600	8,740,805	18,982,875	4,075,613
Variable Rate Bonds 2008 (May08)	4,432,548	4,432,548	6,697,501	10,454,571	2,439,006	2,241,703	2,462,161
Projected Refunding Savings	0	0	(1,204,216)	(778,612)	(224,102)	(2,343,524)	1,034,703
EXISTING RBDS - WASTEWATER	\$ 92,356,082	\$ 91,794,560	\$ 94,391,698	\$ 95,153,735	\$ 91,011,387	\$ 94,529,449	\$ 93,328,668
DS Factors (30yr Nov) 5.25%	0.045938	0.064917	0.068823	0.068625	0.068390	0.068174	0.068047
DS Factors (30yr Jul) 4 50%	0.000000	0.054375	0.057417	0.061431	0.061362	0.061262	0.061185
DS Factors (30yr Nov) 5.25%	0.045938	0.064917	0.068823	0.068625	0.068390	0.068174	0.068047
DS Factors (30yr Nov) 5.25%	0.045938	0.064917	0.068823	0.068625	0.068390	0.068174	0.068047

REVENUE BOND DEBT SERVICE

		Amended Budget 2011-12	Estimated 2011-12	1 Proposed 2012-13	2 Projected 2013-14	3 Projected 2014-15	4 Projected 2015-16	5 Projected 2016-17
REVENUE BOND ISSUES								
PROJECTED RBDS - Wastewater								
2011-12	87,050,000	0	0	4,733,344	4,998,121	5,347,609	5,341,601	5,332,838
2012-13	15,675,000	0	0	0	852,328	900,006	962,938	961,856
2013-14	0	0	0	0	0	0	0	0
2014-15	18,901,261	0	0	0	0	868,277	1,227,007	1,300,838
2015-16	23,937,230	0	0	0	0	0	1,099,617	1,553,925
2016-17	32,444,891	0	0	0	0	0	0	1,490,437
2017-18	50,665,804	0	0	0	0	0	0	0
2018-19	55,396,271	0	0	0	0	0	0	0
2019-20	105,743,183	0	0	0	0	0	0	0
2020-21	108,987,623	0	0	0	0	0	0	0
2021-22	85,104,090	0	0	0	0	0	0	0
2022-23	0	0	0	0	0	0	0	0
2023-24	68,666,434	0	0	0	0	0	0	0
2024-25	0	0	0	0	0	0	0	0
2025-26	53,213,523	0	0	0	0	0	0	0
2026-27	48,150,443	0	0	0	0	0	0	0
2027-28	41,814,121	0	0	0	0	0	0	0
2028-29	35,454,661	0	0	0	0	0	0	0
2029-30	35,996,075	0	0	0	0	0	0	0
2030-31	30,586,544	0	0	0	0	0	0	0
2031-32	0	0	0	0	0	0	0	0
2032-33	19,653,049	0	0	0	0	0	0	0
2033-34	31,057,838	0	0	0	0	0	0	0
2034-35	0	0	0	0	0	0	0	0
2035-36	48,768,925	0	0	0	0	0	0	0
2036-37	63,136,143	0	0	0	0	0	0	0
2037-38	63,918,784	0	0	0	0	0	0	0
2038-39	0	0	0	0	0	0	0	0
2039-40	69,298,238	0	0	0	0	0	0	0
2040-41	68,750,767	0	0	0	0	0	0	0
2041-42	70,084,269	0	0	0	0	0	0	0
2042-43	74,399,086	0	0	0	0	0	0	0
2043-44	0	0	0	0	0	0	0	0
2044-45	72,200,439	0	0	0	0	0	0	0
2045-46	73,086,323	0	0	0	0	0	0	0
2046-47	67,760,725	0	0	0	0	0	0	0
2047-48	62,595,400	0	0	0	0	0	0	0
2048-49	0	0	0	0	0	0	0	0
2049-50	56,954,626	0	0	0	0	0	0	0
2050-51	65,249,979	0	0	0	0	0	0	0
2051-52	63,298,222	0	0	0	0	0	0	0
2052-53	61,038,902	0	0	0	0	0	0	0
2053-54	60,982,257	0	0	0	0	0	0	0
2054-55	0	0	0	0	0	0	0	0
2055-56	74,818,125	0	0	0	0	0	0	0
2056-57	82,511,089	0	0	0	0	0	0	0
2057-58	78,761,789	0	0	0	0	0	0	0
2058-59	67,780,357	0	0	0	0	0	0	0
2059-60	0	0	0	0	0	0	0	0
2060-61	54,049,589	0	0	0	0	0	0	0
2061-62	53,421,041	0	0	0	0	0	0	0
Total Projected Debt Service - Wastewater		\$0	\$0	\$4,733,344	\$5,850,449	\$7,115,892	\$8,631,163	\$10,639,894
Revenue Bond Debt Service - WW								
Existing Revenue Bond - Wastewater	\$92,356,082	\$91,794,560	\$94,391,698	\$95,153,735	\$91,011,387	\$94,529,449	\$93,328,668	
Projected Revenue Bond - Wastewater	0	0	4,733,344	5,850,449	7,115,892	8,631,163	10,639,894	
TOTAL REVENUE BOND DS - WW	\$92,356,082	\$91,794,560	\$99,125,042	\$101,004,184	\$98,127,279	\$103,160,612	\$103,968,562	

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CITY OF AUSTIN, TEXAS
AUSTIN WATER UTILITY

COMMERCIAL PAPER DS

	Amended Budget 2011-12	Estimated 2011-12	1 Proposed 2012-13	2 Projected 2013-14	3 Projected 2014-15	4 Projected 2015-16	5 Projected 2016-17
COMBINED UTILITY:							
Beginning Balance CP	\$200,295,250	\$207,210,000	\$51,715,000	\$63,500,000	\$207,427,000	\$186,427,001	\$166,858,001
Additional CP Issuances	157,703,000	209,505,000	186,785,000	143,927,000	79,000,000	80,431,000	69,424,000
CP Refundings to Revenue Bonds	175,000,000	365,000,000	175,000,000	0	99,999,999	100,000,000	100,000,000
Ending Balance CP	<u>\$182,998,250</u>	<u>\$51,715,000</u>	<u>\$63,500,000</u>	<u>\$207,427,000</u>	<u>\$186,427,001</u>	<u>\$166,858,001</u>	<u>\$136,282,001</u>
CP Debt Service - Combined	<u>\$780,388</u>	<u>\$471,078</u>	<u>\$654,842</u>	<u>\$1,131,684</u>	<u>\$1,585,520</u>	<u>\$1,729,088</u>	<u>\$1,691,940</u>
WATER UTILITY:							
Beginning Balance CP	\$110,887,250	\$114,615,000	\$48,340,000	\$51,215,000	\$175,030,000	\$147,607,758	\$122,012,315
Additional CP Issuances	131,819,000	158,725,000	162,875,000	123,815,000	51,755,000	47,528,000	29,365,000
CP Refundings to Revenue Bonds	118,641,903	225,000,000	160,000,000	0	79,177,242	73,123,443	64,066,376
Ending Balance CP	<u>\$124,064,347</u>	<u>\$48,340,000</u>	<u>\$51,215,000</u>	<u>\$175,030,000</u>	<u>\$147,607,758</u>	<u>\$122,012,315</u>	<u>\$87,310,939</u>
CP Debt Service - Water	<u>\$457,978</u>	<u>\$234,815</u>	<u>\$579,384</u>	<u>\$946,252</u>	<u>\$1,304,848</u>	<u>\$1,329,028</u>	<u>\$1,187,863</u>
WASTEWATER UTILITY:							
Beginning Balance CP	\$89,408,000	\$92,595,000	\$3,375,000	\$11,515,000	\$29,572,000	\$33,719,669	\$38,221,229
Additional CP Issuances	25,884,000	50,780,000	23,140,000	18,057,000	22,235,000	27,408,000	35,139,000
CP Refundings to Revenue Bonds	56,358,097	140,000,000	15,000,000	0	18,087,331	22,906,440	31,047,743
Ending Balance CP	<u>58,933,903</u>	<u>3,375,000</u>	<u>11,515,000</u>	<u>29,572,000</u>	<u>33,719,669</u>	<u>38,221,229</u>	<u>42,312,486</u>
CP Debt Service - Wastewater	<u>\$322,410</u>	<u>\$236,263</u>	<u>\$72,955</u>	<u>\$170,367</u>	<u>\$250,359</u>	<u>\$344,601</u>	<u>\$431,916</u>
RECLAIMED UTILITY:							
Beginning Balance CP	\$0	\$0	\$0	\$770,000	\$2,825,000	\$5,099,574	\$6,624,457
Additional CP Issuances	0	0	770,000	2,055,000	5,010,000	5,495,000	4,920,000
CP Refundings to Revenue Bonds	0	0	0	0	2,735,426	3,970,117	4,885,881
Ending Balance CP	<u>0</u>	<u>0</u>	<u>770,000</u>	<u>2,825,000</u>	<u>5,099,574</u>	<u>6,624,457</u>	<u>6,658,576</u>
CP Debt Service - Reclaimed	<u>\$0</u>	<u>\$0</u>	<u>\$2,503</u>	<u>\$15,065</u>	<u>\$30,313</u>	<u>\$55,459</u>	<u>\$72,161</u>
Commercial Paper Interest Rate	0.62%	0.4339%	0.60%	0.80%	1.00%	1.25%	1.50%