

**SCHEDULE 18 - WATER CONNECTION FEE**

Equivalent Dwelling Unit Analysis

Current Number of EDUs in System	32,966 EDUs
Percent of Build Out of System	83%
Remaining EDUs Available	6,752 EDUs
 Total EDUs at Build Out	 39,718 EDUs

**Average Cost of Capacity Method**

<u>Projected Capital Expenses</u>		FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16
Cash Funded Projects		\$ 300,000	\$ 1,350,000	\$ -	\$ 3,300,000	\$ 1,154,000	\$ 900,000	\$ -	\$ -	\$ 2,000,000
Projected Borrowed Amount		\$ 2,700,000	\$ 3,150,000	\$ -	\$ 4,920,000	\$ -	\$ -	\$ -	\$ -	\$ -
Total CIP		\$ 3,000,000	\$ 4,500,000	\$ -	\$ 8,220,000	\$ 1,154,000	\$ 900,000	\$ -	\$ -	\$ 2,000,000
Debt Service										
Interest Rate	5.0%									
Period (years)	20									
Total Debt Funded Projects		\$ 10,770,000								
Admin Fees (% of principal)	5.0%	\$ 538,500								
Total Cost to be Debt Funded (Principal)		\$ 11,308,500								
Total Projected Debt Service		\$ 18,148,466								
Total Cash Funded Projects		\$ 9,004,000								
Total Construction in Progress		\$ 1,146,131								
less Total Existing Non-Growth Debt		\$ -								
Historical Value of System		\$ 61,885,547								
Total Cost of Water System		\$ 90,184,144								
Allocation										
Water System Costs Associated with Fire Protection	10%	\$ 9,018,414								
Non-Fire Protection Water System Costs		\$ 81,165,730								
Average Cost of Capacity Capital Fee for Fire Demand per EDU		\$ 227								
Average Cost of Capacity Capital Fee for Normal Use per EDU		\$ 2,044								

  

	Fire Demand			Meter Demand			Combined Fee
	Tap Size	Factors*	Tap Fee	Meter Size	Factors**	Meter Fee	
Total Projected Debt Service	3/4"	1.6	\$ 363	3/4"	1.0	\$ 3,537	\$ 3,900
Total Cash Funded Projects	1"	2.6	\$ 590	1"	2.5	\$ 5,109	\$ 5,699
Total Construction in Progress	1 1/2"	2.9	\$ 658	1 1/2"	5.0	\$ 10,218	\$ 10,876
less Total Existing Non-Growth Debt	2"	6.19	\$ 1,406	2"	8.0	\$ 16,348	\$ 17,754
Historical Value of System	3"	17.98	\$ 4,083	3"	16.0	\$ 32,697	\$ 36,780
Total Cost of Water System	4"	38.32	\$ 8,701	4"	25.0	\$ 51,089	\$ 59,790
Water System Costs Associated with Fire Protection	6"	111.31	\$ 25,274	6"	50.0	\$ 102,178	\$ 127,452
Non-Fire Protection Water System Costs	8"	237.21	\$ 53,861	8"	80.0	\$ 163,485	\$ 217,346
Water System Costs Associated with Fire Protection	10"	426.58	\$ 96,860	10"	138.0	\$ 282,011	\$ 378,871
Non-Fire Protection Water System Costs	12"	689.04	\$ 156,455	12"	230.0	\$ 470,019	\$ 626,473

\*Fire Demand Factors - AWWA Manual M1 Table 30-5 page 224  
 \*\*Meter Demand Factors - AWWA Manual M1 Table 28-2 page 202