

Harvard Town Center Wastewater System
Debt, Operating and Maintenance, and Connection Fees

RECOMMENDED FINANCING MODEL *

Debt:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	20 yr. Total	Avg. Annual
Total Debt - 20 yr.	120,000	123,400	121,700	120,000	123,300	121,500	124,700	122,800	120,900	124,000	122,000	120,000	123,000	120,900	123,800	121,600	124,400	122,100	124,800	122,400	2,447,300	122,365
Town @ 38%	45,600	46,892	46,246	45,600	46,854	46,170	47,386	46,664	45,942	47,120	46,360	45,600	46,740	45,942	47,044	46,208	47,272	46,398	47,424	46,512	929,974	46,499
Homeowners @ 62%	74,400	76,508	75,454	74,400	76,446	75,330	77,314	76,136	74,958	76,880	75,640	74,400	76,260	74,958	76,756	75,392	77,128	75,702	77,376	75,888	1,517,326	75,866
Operating Cost:	85,000	97,750	107,525	111,826	116,299	120,951	125,789	130,821	136,053	141,496	147,155	153,042	159,163	165,530	172,151	179,037	186,199	193,646	201,392	209,448	2,940,273	147,014
Town, avg. = 56%	76,500	73,313	77,418	80,515	81,409	82,247	84,279	85,033	85,714	86,312	86,822	85,703	85,948	84,420	84,354	82,357	81,927	79,395	78,543	75,401	1,637,610	81,881
Homeowners, avg. = 44%	8,500	24,438	30,107	31,311	34,890	38,704	41,510	45,787	50,340	55,183	60,334	67,338	73,215	81,110	87,797	96,680	104,271	114,251	122,849	134,047	1,302,663	65,133
Total Town Op. & Debt	122,100	120,205	123,664	126,115	128,263	128,417	131,665	131,697	131,656	133,432	133,182	131,303	132,688	130,362	131,398	128,565	129,199	125,793	125,967	121,913	2,567,584	128,379

Betterment = \$17,000 per sewer unit

Connection Fees:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	Total	
Year 1 @ \$1,000 (24)	\$24,000																					\$ 24,000
Year 2 @ \$3,000 (8)		\$24,000																				\$ 24,000
Year 3 + @ \$5,000 (46)			\$ 5,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 230,000
Total connections (78)																						\$ 278,000

* Circuit Breakers requiring new Town Meeting Action:

1. If the amount of the Betterment increases by more than 10%;
2. If the total amount of the projected Town Operating and Debt costs increase by more than 10%;
3. If the financing assumption of an interest rate of 2% over 20 years is not realized.

DATA SOURCES:

Dept. of Revenue
Bond Counsel
Harvard Fiance Dept.