

**COTTAGE GROVE WATER SYSTEM IMPROVEMENTS
ALL CAPITAL IMPROVEMENTS FROM 2002 - 2025
ESTIMATED CAPITAL CONSTRUCTION COSTS**

11/6/02

ALTERNATIVES

	1	2	3	4	5	6	7
Capital Improvements	Disconnect Customers 2 MGD	Pump from Row River 2 MGD	Slow Sand Filters 2 MGD	Package Plant 2 MGD	Cartridge Filters 2 MGD	Membrane Filters 2 MGD	Pump from Row River 3 MGD
Pipeline Replacement	\$286,207	\$3,000,000	\$3,589,655	\$3,589,655	\$3,589,655	\$3,589,655	\$3,000,000
WTP & Pump Station	\$4,931,034	\$4,965,517	\$4,310,345	\$4,310,345	\$4,724,138	\$5,241,379	\$4,000,000
Storage Tank	\$0	\$413,793	\$413,793	\$413,793	\$413,793	\$413,793	\$413,793
Reservoir Cover	\$206,897	\$206,897	\$206,897	\$206,897	\$206,897	\$206,897	\$206,897
Demolition	\$362,069	\$362,069	\$103,448	\$206,897	\$206,897	\$206,897	\$362,069
Permitting	\$110,000	\$80,000	\$80,000	\$95,000	\$95,000	\$95,000	\$80,000
Engineering, Legal & Admin-25%	\$1,446,552	\$2,237,069	\$2,156,034	\$2,181,897	\$2,285,345	\$2,414,655	\$1,995,690
Contingency-20%	\$1,157,241	\$1,789,655	\$1,724,828	\$1,745,517	\$1,828,276	\$1,931,724	\$1,596,552
TOTAL	\$8,500,000	\$13,055,000	\$12,585,000	\$12,750,000	\$13,350,000	\$14,100,000	\$11,655,000

EXPENSES IN THE YEAR:

Phase 1 - through 2005	\$3,900,000	\$8,455,000	\$6,195,000	\$6,360,000	\$6,960,000	\$7,710,000	\$8,955,000
2015	\$2,550,000	\$2,550,000	\$3,230,000	\$3,230,000	\$3,230,000	\$3,230,000	\$0
2025	\$2,050,000	\$2,050,000	\$3,160,000	\$3,160,000	\$3,160,000	\$3,160,000	\$2,700,000
TOTAL	\$8,500,000	\$13,055,000	\$12,585,000	\$12,750,000	\$13,350,000	\$14,100,000	\$11,655,000

RATE INCREASE BY YEAR:

Phase 1 - through 2005	\$3.88	\$10.03	\$6.64	\$6.85	\$7.62	\$8.58	\$10.70
2015	\$3.45	\$3.45	\$4.15	\$4.15	\$4.15	\$4.15	\$0.00
2025	\$2.77	\$2.77	\$4.06	\$4.06	\$4.06	\$4.06	\$3.65
TOTAL RATE INCREASE	\$10.10	\$16.25	\$14.85	\$15.06	\$15.83	\$16.79	\$14.35