

**Table 6.2.** Capital, operation and management (O&M), and total amortized costs for chlorination compared to UV disinfection, which is used as a proxy for  $\text{TiO}_2$  photocatalysis. Values were adjusted from 1998 (Cl) and 1995 (UV) dollars to 2005 dollars using the Bureau of Labor Statistics' Consumer Price Index for goods and services (2005).

Flow rate (mgd)	Number of people served	Cl capital costs at 1.5 mg/L	Cl annual O&M costs at 1.5 mg/L	Cl total costs over 20 years (\$/kgal, 10% amortization)	UV disinfection capital costs at 40 mWs/cm <sup>2</sup>	UV disinfection annual O&M costs at 40 mWs/cm <sup>2</sup>	UV disinfection total costs over 20 years (\$/kgal, 10% amortization)
0.024	25–100	8,900	1,500	0.99	1,700	500	0.25
0.087	101–500	8,900	1,900	0.27	2,200	1,000	0.10
0.27	501–1,000	8,900	2,800	0.10	4,800	2,200	0.07
0.65	1,001–3,300	8,900	5,000	0.06	10,000	4,800	0.07
1.8	3,301–10,000	15,600	11,900	0.05	21,700	12,700	0.05

Sources: US EPA (2000), US EPA (1996).