

Typical Cost Comparison- Municipal Waste water Reuse Treatment System

<b>SECTOR MUNICIPAL – WASTEWATER – REUSE</b>	<b>R3F FILTER (Note 1)</b>	<b>CONTINUOUS BACKWASH (CBW) SAND FILTER (Note 1)</b>	<b>DISK CLOTH FILTER (Note 1)</b>
Complete System Includes	90 – R3F Filters plus U.V.	1 – CBW Unit plus U.V.	1 Disk Cloth Filters plus U.V.
Capital Cost	\$280,000 (Note 2)	\$450,000 (Note 2)	\$500,000 (Note 2)
Operation & Maintenance	\$27,000	\$35,000	\$30,000
Footprint	170 ft. <sup>2</sup>	500 ft. <sup>2</sup>	600 ft. <sup>2</sup>
Redundancy	Yes	No	No
Facilitates Expansion	Excellent	Fair	Good
Backwash Volume where CBW is base at 1.0	0.1	1.0	0.7

**Note 1:** Treats effluent from a 2.5 mgd wastewater treatment plant. Assumes Earthgard Partner retails R3F Column at 50% margin

**Note 2:** The R3F filter option would only use 90 R3F Filters if it had to satisfy the same treatment capability of the competing technologies but 180 R3F filters to separate the particles greater than 7 microns which is required for coliform kill as per regulations.