APPENDIX D-3

Water Treatment and Storage Facilities

Type	Asset Description	Construction Year	Useful Life	Historical Construction Cost	2013 Replacement Cost*	% Useful Life Remaining (based on age)	Condition/Probability of Failure (1 = good/not likely, 5 = poor/likely)	Consequence of Failure (1 = low, 5 = high)	Inst Year	Useful Life (yrs)	Risk	Timing of First Replacement-Based on Risk	Timing of First Replacement (based on life cycle)	Timing of First Replacement	Timing of Second Replacement (Life Cycle)	Timing of Third Replacement (Life Cycle)	Tming of Fourth Replacement (Life Cycle)
WTP	Raw Water Intake	2005	100	$227,000.00	$ 314,221.09	92%	1	5	2005	100	5	based on life cycle	2105	2105			
Storage	Elevated Water Storage Tower	2005	100	$996,000.00	$ 1,378,696.94	92%	1	4	2005	100	4	based on life cycle	2105	2105			
WTP	Treatment Plant	2005	50	$2,971,176.00	$ 4,112,802.46	84%	1	5	2005	50	5	based on life cycle	2055	2055	2105		
WTP	Plant Upgrades (UV & GAC contactors)	2010	25	$1,009,881.00	$ 1,205,850.73	88%	1	5	2010	25	5	based on life cycle	2035	2035	2060	2085	2110
TOTAL				$5,204,057.00	$7,011,571.21												