

Buckingham Park Water District
Capital Expenditure And Major Maintenance Budget
Five Years Projection Beginning Fiscal Year 2013/2014

Note: Includes CPI Increase from April 2013 of 1.1%

	PRIORITY RATING	BUDGET FY 13/14	BUDGET FY 14/15	BUDGET FY 15/16	BUDGET FY 16/17	BUDGET FY 17/18	FUTURE OR BUILD OUT	TO DATE PROJECT EXPENSE	TOTAL BUDGETED	BALANCE OF BUDGET	Estimated construction / project timeframe / Notes
Small Capital Projects											
Install Backwash Recycle Flow Meter	Done							1,400	1,400	0	
ACH Low Level/Coagulant Alarm	Done							7,000	7,000	0	
Addition Of Filter Surface Washers Flow Meter (Incl. Flow Rate)	Done							3,583	3,583	0	
Backwash Flow Meter (w/Flow Rate Indicator)	Done							1,252	1,252	0	
Auto-Messenger (Dist.Cust.Emergency Messaging System)	Done							1,574	1,574	0	
Construct Clarifier Bypass to Direct Filtration	Done							1,758	1,758	0	
Enlarge Filter 1&2 Hatches to Allow For Inspections & Repairs (install OSHA approved 24" hatch on both filters)	1	6,066							6,066	6,066	March 2014 (Inc CPI Increase of 1.1%)
VFD & Controller for Raw Water Pump #2	1	3,437							3,437	3,437	July 2013 - Need electrical contractor for bid to verify cost (Inc CPI Increase of 1.1%)
Filter 1 & 2 VFD Installation	1		1,112	1,112					2,224	2,224	Hold off until 2014/15 after Compliance Project construction- Need electrical contractor for bid to verify cost (Inc CPI Increase of 1.1%)
Zone 1 VFDs	1		3,033	3,033					6,066	6,066	July 2013 - Need electrical contractor for bid to verify cost (Inc CPI Increase of 1.1%)
Zone 2 & 3 VFDs	1		2,224	2,224					4,448	4,448	July 2013 - Need electrical contractor for bid to verify cost (Inc CPI Increase of 1.1%)
Backwash Pump VFD Installation	1		1,415						1,415	1,415	To be addressed when/if carbon filters installed. Unknown if to be manual or SCADA operated.(Inc CPI Increase of 1.1%)
Upgrade Billing and Acctg Software (includes conversion & training)	1	11,000							11,000	11,000	To be implimented in December 2013 to allow for ample time for training and conversion prior to May of 2014 when admin tasks are peaking.
Total of Small Capital Projects		\$ 20,503	\$ 7,785	\$ 6,369	\$ -	\$ -		\$ 16,567	\$ 51,224	\$ 34,657	
Major Capital Projects - Phase I											
Phase I-Engineering (prelim, design & details, & construction phase incl. record drawings & submittals)	1	32,618						117,882	150,500	32,618	Balance of budget
Phase I-Bond Counsel	1	40,000							40,000	40,000	Northcross, Hill & Ash Contract & other
Phase I-Construction Management	1	10,000							10,000	10,000	
Plant SCADA Upgrade	1	105,600							105,600	105,600	Prev budget amount is higher than "revised "Engineer's Opinion of Cost" per ELP's Engineer Comparison dated 10/30/12) so left budget amount from 2012/2013
5.00	1	465,120							465,120	465,120	Based on revised "Engineer's Opinion of Cost" per ELP's Engineer Comparison dated 10/30/12)
Backup Power Generator & Switch Gear @ Both Facilities	1	210,000							210,000	210,000	Based on revised "Engineer's Opinion of Cost" per ELP's Engineer Comparison dated 10/30/12)
Repl. 59 Existing 4" Wharf Hyd. w/6 Inch Dry Barrel Hyd.	1	426,000							426,000	426,000	Based on revised "Engineer's Opinion of Cost" per ELP's Engineer Comparison dated 10/30/12) Incl. 20% Overhead
Repl. 1,690 ft subst 4" iron watermain w/6 inch C-900	1	185,400							185,400	185,400	Based on revised "Engineer's Opinion of Cost" per ELP's Engineer Comparison dated 10/30/12) Incl. 20% Overhead
Re-Coat & Repair 100K Gal. Storage Tank Int. & Ext., Incl. Design & Construction of Isolation Bypass Piping	1		55,000	55,000					110,000	110,000	To be started after compliance project is completed
Rebuild Seawall Including Engineering & Permits	1		80,000						80,000	80,000	To be started after compliance project is completed
Total of Major Capital Projects - Phase I		\$ 1,474,738	\$ 135,000	\$ 55,000	\$ -	\$ -		\$ 117,882	\$ 1,782,620	\$ 1,664,738	
Major Capital Projects - Phase II											
*(Phase II-Per Cal. Dept. of Public Health, the District must perform an engineering study when connections sold equals 515).											
Water Treatment Plant Elect.Upgrades Incl. Eng.	1						110,000		110,000	110,000	
Hydraulic Study/Model	1						55,000		55,000	55,000	
Study/Engineering for Phase II/Build-Out	1						22,000		22,000	22,000	
Plant Bldg. Expansion (Filtration Phase I)	2						37,500		37,500	37,500	
Plant Expansion (Filtration Phase II)	2						360,000		360,000	360,000	
Carbon Filtration (Taste & Odor Issues)	1		129,717	129,718					259,435	259,435	Prev years budget was \$88k. Estimates received in 2013 were \$259,435 for filters, concrete pad, engineering, seismic eng, admin & contingencies
Acquire New Office Space	2						169,000		169,000	169,000	
Final Water Storage Addition (170,000 gallons)	2						379,000		379,000	379,000	
Total of Major Capital Projects - Phase II		\$ -	\$ 129,717	\$ 129,718	\$ -	\$ -	\$ 1,132,500	\$ -	\$ 1,391,935	\$ 1,391,935	
Maintenance Projects											
Re-Coat Clarifier Interior & Exterior	Done							48,847	48,847	0	
Clarifier Flocculator Drive Assembly Repair/Replacement	Done							35,500	35,500	0	
Replace Zone 3 Pneumatic Tank Air Compressure	Done							2,064	2,064	0	
Rehab Clarifier Drying Bed No. 2	Done							550	550	0	
Convert Ozone To CL As Secondary Or Pre-Disinfectant	Done							758	758	0	
Convert Cl ₂ To Sod.Hypochlorite (Pre & Post Disinfectant)	Done							7,211	7,211	0	
Inc.Containment Tank for Relocation of Sod.Hypochlorite	Done							2,162	2,162	0	
Hach Instrumentation Service Agreement	Done							11,859	11,859	0	
Replace Distribution System Pressure Sensing/Sustaining Valves	Done										
Filter 1 Maintenance rebuild surface washers, repair filter wall where eroding, and spot recoat interior	1	4,044						0	4,044	4,044	Same timeframe at hatch replacement (above) March 2014 (Inc CPI Increase of 1.1%)
Upgrade Treatment Alarm Auto Dialer	1		506					0	507	506	Same budget from prior year plus CPI of 1.1% Hold off until Compliance project and electrical work
Eliminate Ozone Tower Including Engineering	1	6,066						0	6,066	6,066	October 2013 - Same budget from prior year plus CPI of 1.1% (Post bond for insurance, bid out for salvage company, --or offer to other water district) Must be done during low flow time. Rent temp line from rain for rent?
Hach Instrument Replacement (Turbidimeters & Chlorine Analyzer)	2	3,100	3,300	3,400	3,600	3,800		0	20,100	16,300	
Distribution Sys. Valve Replacement	2	6,600	6,600	6,600	6,600	6,600		0	39,600	33,000	
Contract to Audit the System for Leaks	1	2,500			2,500			0	5,000	5,000	March 2014 - National Meter Inspection
Meter Replacement (Customer 1 per Month)	Ongoing	1,200	1,200	1,200	1,200	1,200		0	7,200	6,000	1 per month has been average replacement over last 2 fiscal years. Badger Warranty/Accuracy is 15 years or 334,224 cf water
Inventory (Pipe, Fittings, Couplings, Rep. Parts, Pumps, etc.)	Ongoing	2,900	3,100	3,300	3,600	3,800		0	19,400	15,600	
Plant & Distribution System Pump Repair/Replacement	Ongoing	9,100		10,500		11,700		26,675	57,975	19,600	
Tank Inspection Clean & Minor Repairs (100K & 200K Gal)	Ongoing	5,270						4,770	10,040	5,270	Timeframe will be based on diver's availability
Raw Water Intake Inspection & Cleaning	Ongoing	4,575						4,575	9,150	4,575	Timeframe will be based on diver's availability
Rebuild Filters 1&2 (Filter Bed Media)	Ongoing		26,472					20,816	47,288	26,472	February 2015 - Must be done when low flow in order to run on one filter at a time. Previous Inv. From Loprest plus CPI increases. performance. Can be expensed overtime. Will ast 8 to 10 yrs per Randy @ Loprest. Based on filter
Total Maintenance Projects		\$ 45,355	\$ 41,178	\$ 25,000	\$ 17,500	\$ 27,100		\$ 165,787	\$ 335,321	\$ 142,433	
Total Small Capital Projects Plus Maintenance Projects		\$ 65,858	\$ 48,963	\$ 31,369	\$ 17,500	\$ 27,100		\$ 182,354	\$ 386,545	\$ 177,090	

Presented and approved by the Board at the Regular meeting of: June 24, 2013

As prepared by BPWD Budget Subcommittee Members: M.Boyle, R. Kemp N. Foskett