

Exhibit A

Proposed Interim Enhanced Security and Infrastructure Investments for Open Reservoirs

Phase 1: FY 2004-05.

Phase 1 operations and maintenance investments:

5 additional contract security staff for onsite patrol of reservoir sites

1 additional bureau security staff to provide lead coverage

Operations and maintenance costs: approximately \$392,000 to be funded from 0.7% of 1.2% in authorized FY 2004-05 rates for reservoir replacement.

Phase 1 security and deferred maintenance capital infrastructure investments:

Mt. Tabor

Video camera and improvements for remote monitoring,

Design work for security upgrades to alarms,

Design work for remote controls on isolation valves,

Upgrades to Reservoir 5 gatehouse to make available as an office facility for security staff and for onsite security monitoring,

Sensors to help alert security when critical areas have been breached,

Pressure reducing valve (PRV) allowing emergency flow into distribution system if Reservoir 6 needs to be bypassed,

Vegetation control to establish clear line of sight around reservoirs perimeter,

Signs at trails and on fences encouraging visitors to use paths away from reservoirs,

Tennis court net to block errant tennis balls from entering Reservoir 6, and

Emergency portable lighting

Washington Park

Microwave perimeter detection system to help alert security when section of critical area has been breached,

Gate improvements and vehicle access controls at entry points to track entry and exit activities,

Completion of remote controls installation on isolation valves,

Sensors to help alert security when critical areas have been breached,

Additional cameras and communications and improvements for remote monitoring and on-site recording, and

Improvements to secure buildings

Phase 1 includes sidewalk repairs at both reservoir sites to provide a safer walking surface.

Security and deferred maintenance capital infrastructure costs: approximately \$6.2 million to be funded from reprioritization of current five-year Water Bureau Capital Improvement Plan (no rate impact).

Preliminary Phase 2 Beginning in FY 2005-06

The Water Bureau proposes a second phase of enhanced security measures and infrastructure investments to be developed and discussed as part of the FY 2005-06 budget process for implementation starting next year. Phase 2 measures would include completion of the installation

of remote control isolation valves at Mt. Tabor, additional water quality monitoring instrumentation at the open reservoirs, as well as an environmental technician and instrument technician for ongoing calibration, maintenance and monitoring of these instruments.

Based on an evaluation of the effectiveness of the additional security patrols included in Phase 1, Phase 2 could also include proposals to adjust the number of both contract and Water Bureau staff available to provide open reservoir security.

FY 04-05 Estimated Capital Improvement Costs for Proposed Phase 1 Interim Security and Deferred Maintenance Measures at Open Reservoirs

Item	Function	Estimated Cost*	Security Improvements
	Building Security & Camera Improvements at Washington Park		
Improves communication, remote viewing and recording of visitation activities, secures buildings	\$ 360,000	Communications and video improvements at Tabor	
Improves camera communications for monitoring		\$ 105,000	
	Begin design of Tabor Security Improvements		Start design work for
conduits, alarms, power for security upgrades		\$ 150,000	Modify
Reservoir 5 Gatehouse interior and provides facilities for staff	\$ 180,000	Make site available for onsite security monitoring	Install sensors on ornamental fences at reservoirs
Notifies security when and where reservoirs have been breached	\$ 175,000	Install signs at trails and on ornamental fences	Encourages visitors to take other paths away from reservoirs
perimeter detection system at section of Wash. Park outer fence		\$ 54,000	Install
critical areas have been breached	\$ 47,000	Install 2 ornamental pipe gates @ Madison Trail at Wash Park	Notifies security when
Washington Park reservoir	\$ 17,000	Upgrade security gates at Reservoir 3	Blocks area where vehicles can drive into
Improves vehicle control--allows security to track entry and exit		\$ 106,000	Upgrade security gates at Reservoir 3
Vegetation control	\$ 20,000	Removes nuisance plants and establishes clear line of sight	Provides security with
lighting during night or inclement conditions. Improves security response		\$ 20,000	Provides security with
Tennis court net	\$ 36,000	Blocks errant tennis balls from the courts entering Reservoir 6	
		Subtotal	\$ 1,270,000
	Deferred Maintenance		Pressure
reducing valve (PRV) at Tabor		Allows services to be switched to Tabor 411 in an emergency if Reservoir 6 needs to be bypassed	Install electric controls on valves at Wash. Park (including conduits, telemetry, and power)
remote control of isolation valves-- faster emergency response		\$ 1,400,000	Allows
Sidewalk repairs at reservoir sites		\$ 225,000	Provides safer walking surface
Replace sliding gate at Reservoir 4		\$ 104,000	Replaces failing gate
Subtotal	\$ 4,901,000	Total	\$ 6,171,000

* All phase 1 projects to be funded from within the current five-year Capital Improvement Plan with no additional rate impact.

FY 05-06 Estimated Capital Improvement Costs for Preliminary Phase 2 Interim Security and Deferred Maintenance Measures at Open Reservoirs

Item	Function	Cost	Security Improvements
Building Security and Camera Improvements at Mt. Tabor	Improves remote viewing and		

recording of visitation activities, secures buildings \$ 843,000 Provide spot lighting Provides illumination of dark areas on and around reservoir to improve security response and increase safety for people walking around the reservoirs at night \$ 54,000 Install new sliding gates at Tabor (1 @ Lincoln, 1 @ Res 5 - replace existing pipe gates); Costs include card keys and ornamental finish.

Replace chain at Res 1 with Pipe gate. Replaces existing manual entry gates with more secure automatic gates. Provides better vehicle control and allows security to track entry and exit activities. Speeds up response time. Replace weak chain with pipe gate. \$ 225,000 Install WQ Monitors (Baseline) Improves bureaus existing water quality monitoring and establishes baselines to track potential contaminants against. \$ 891,000

Subtotal \$ 2,013,000

Deferred Maintenance

Install valves and electric controls on valves at Tabor (including conduits, telemetry, and power); Site preparation and restoration. Allows remote control of isolation valves, speeding up emergency response time, increases Bureau's ability to remote bypass reservoirs and the Tabor site in an emergency \$ 2,420,000

Subtotal \$ 2,420,000

Total \$ 4,433,000

Phase 2 projects will be finalized and brought to Council for consideration as part of the FY 2005 -06 budget process.