

LBWID Planning Meeting FY-20-01
07/30/2019
Approved

Attendees: Alan Pisanski, Jerry Mendenhall, George McLennan and Davis Grant

LBWID Financial update

FY-2019 year-end review – Slight budget overrun due mainly to late billing of cylinder replacement tasks. There were also some equipment overruns from last year due to timing.

10-Year Plan update will kick off on September 10 at 10:00.

LBWID Compound zoning review – Fairfax County agreed in principle with our attorney that the LBWID is exempt from County zoning regulations.

Marshall & Roberts property updates

Nothing new on Marshall property

Roberts has proposed altering the path of Boat Dock drive to provide a greater margin and reduce traffic noise. LBWID has no response at this time.

Record-breaking rainfall of July 8th

4-1/2 inches of rain in 1-1/2 hours

Gate performance; activation of the Emergency Action Plan - Stage 1; and impacts on the Lake in terms of debris, sediment and damage to Rauth Island.

Staff removed 108 loads of trash. This amounts to one full year's worth of debris; the largest debris removal in 10 years. 100 loads were taken between the Potteron Bridge and the dam.

Better coordination and education on storm impacts and operation of the dam may be needed with upstream and downstream communities.

Davis is organizing an EAP review meeting with Fairfax County's and the City of Alexandria's Department of Emergency Management.

We should look into getting a better understanding of the watershed and the stormwater infrastructure within it. This may require some coordination with NVS&WCD and Fairfax County's Division of Stormwater Management.

Community garden pond removal update

The staff has removed the pond and repurposed the large landscape rocks.

Barring another large storm or other interruption of work the staff will complete will complete the following tasks for the Woman's Club by the end of September:

Prepare the old waterfall structure for new plantings
Move the rock with the Woman's Club plaque
Replace the wooden boardwalk through the wooded area behind the pond
Purchase and install park benches.

Upcoming biennial inspection of the dam

Davis is coordinating with WR&A for a mid-September inspection. The WR&A staff will be on site for 8 – 12 hours. The cost will be around \$15,000. (The Trustees have approved this expenditure.)

The final inspection report will be submitted to the Virginia Division of Dam Safety in December.

Upcoming cathodic protection system inspection – EA Engineering, formerly Russel Corrosion, is scheduled inspect the dam's cathodic protection system in late September. The cost will be approximately \$2,750.

Annual bathymetry survey of the lake – Princeton Hydro is scheduled to conduct the annual bathymetry survey of the lake the 1st or 2nd week of August. This year's survey will only cover the upper ends of the lake (Tripps Run and Holmes Run ends of the lake). The next time the whole lake will be surveyed will be in 2021. (The whole lake was last surveyed in 2018.)

Other dam related projects that are underway

Replace buoy line cable on the dam and install new chefs hat buoy. (completed)

Fabricate and install a new inclinometer bracket

Install new lake level sensors

Recalibrate bascule gate lowering rate to accommodate more intense rainfall rates.

Aeration compressor overheating issues – The LBWID's existing aeration system compressor is still running at an elevated temperature but is currently still operating. The staff has increased the ventilation and is working with Kaeser Compressor to come up with onboard coolant system

adjustments. The entire unit will be replaced in the fall for approximately \$15,000. (The Trustees approved this expenditure at last month's meeting.)

Old Hopper Barge – As a result of the July 8th storm and the amount of debris and sediment that resulted from it, Davis concluded that the old inoperable hopper barge should be replaced as soon as possible and will place the order for a new one this month. The Trustees approved and expenditure of \$30,000.

Dredge spoil disposal at Fairfax County landfill – Davis is still working out the details of our terms of agreement with the County's Robbie Glenn (I-95 Complex Manager). The critical path item is testing of our dredge spoils tested for contaminants. Davis is hoping to finalize the agreement by end August.

Strom debris disposal – On August 10th (Saturday) Fairfax County's division of solid waste is scheduled to haul away all of the storm debris from Lake Barcroft that has been collected by LBWID over the past 12 months.

Fish Habitat Proposal comments and recommendations – Davis is continuing to work with LBA to hammer out details of the proposed fish habitat.

Brooks Place-Phase 2 – Davis and the Trustees reviewed the modifications to the onsite stormwater controls that the owner's engineer has proposed. The engineer is still waiting for County approval.

Beach 4 handrail – The Village will reimburse LBWID \$500 for the cost of materials. The staff will complete the installation by the end of the month.

LBWID Trustee Action Items

Alan will coordinate with the Penny Gross on community outreach regarding the operation the dam

Alan will follow up with LBA on the trustee nomination process modifications

Alan and Davis will draft a Newsletter article for the September issue