

Dam Safety

DEC-Owned Dams Repairs and Major Maintenance – Page 31 of Capital Budget Proposal

The requested funds will be used for repair, major maintenance, and specialized engineering assessments of state-owned dams. The following is a summary of the dams and brief description of the work we are proposing to accomplish with SFY20 and SFY21 capital funds.

Waterbury Dam, Waterbury (HIGH Hazard): Photos 1 – 4

FY20 \$135,000

Removal of formerly used UST that stored fuel for emergency generator. Project includes design, permitting, and tank removal with environmental monitoring, contaminated soil disposal, and backfill/compaction. Installation of a modern and up to code worker fall protection system at the principal spillway to allow for safe monitoring, maintenance, and repair of the radial arm flood gates.

FY21 \$80,000

Design and installation of a new boat and debris barrier in the approach of principal spillway. Security improvements at dam to include alarm systems in the gatehouse and pump house and a system of cameras for remote surveillance.

FY21 \$240,000

Seepage control system cleaning and new dewatering pumps and instrumentation.

Wrightsville Dam, Montpelier (HIGH Hazard): Photos 5 - 6

FY20 \$15,000

Repair of a hole in the dividing wall tunnel between the flood tunnel and power tunnel within the dam.

FY21 \$180,000

Design and installation of a new boat and debris barrier around the principal spillway. Maintenance to the auxiliary spillway channel, including removal of rock falls, removal of trees and brush, and maintenance to the rock cut face that comprises the left side of the spillway.

Miles Pond Dam, Concord (SIGNIFICANT Hazard) – FY21: Photo 7 \$100,000

Various repair work including: stoplog replacement, concrete repairs, fencing repairs, riprap replacement, and installation of a new boat barrier

Little Hosmer Dam, Craftsbury (LOW Hazard) - FY21: Photo 8 \$245,000

Assessment, design, permitting, and rehabilitation construction of the dam. Assessment work to include topographic survey, H&H analyses, and seepage analysis. Rehabilitation design to include filter/drainage, downstream channel armoring, stoplog replacement, concrete/crack repair, and a new boat barrier.

Lake Bomoseen Dam, Castleton (LOW Hazard) - FY21: Photo 9 \$50,000

Various minor repair work including electrical, fencing, a new boat barrier, and other miscellaneous repairs.

TOTAL **\$1,045,000**