David Torgler, Administrator/Clerk

COMMUNICATION FORM

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FROM: David Torgler, Town Administrator/Clerk
DATE: January 9, 2023
ITEM: Sheriff Reservoir & Dam update by Steve Jamieson, W. W. Wheeler
ATTACHED: None

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BOARD ACTION: ____ ACTION ITEM
____ DIRECTION REQUESTED
__X_ INFORMATION

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REQUEST OR ISSUE: Steve Jamieson, Sheriff Reservoir & Dam project consulting engineer will present an update on this capital improvement and respond to questions from the Board.

RECOMMENDED ACTION: No action

BACKGROUND INFORMATION: Steve Jamieson, W. W. Wheeler, has been the consulting engineer for the Town in regards to Sheriff Reservoir & Dam throughout the rehabilitation process and design engineering. Updates will include information on the following:

1. Outlet works construction: headgate delivered and planned for installation in June – August 2023. GMGC contractor selection in January – March 2023.
2. Reduction in spillway due to hydrology update and CDSE analysis. Original spillway for maximum flood event, extended by 330-feet. This was reduced to 100' following the hydrology updated analysis. The spillway was further reduced to 60' based on the CDSE anaylsis, but is not final.
3. A required Comprehensive Dam Safety Evaluation (CDSE) analysis conducted by W. W. Wheeler on behalf of the Colorado Dam Safety Branch engineers identified a liquefaction factor for Sheriff Dam due to the regions seismic activity. The options are to shore-up the dam structure and add outlet piping; or, conduct a seismic analysis ($30k cost). It's anticipated the seismic analysis will help keep expenses reduced (for construction) but could support shoring support for the dam. The seismic analysis will be conducted in June 2023.
4. 30% Plan Design completed and submitted to State Engineer's office with anticipated review completion 12/30/2022.
5. 90% Design completed September 2023 with State Engineer's Office review completed by mid-February 2024.

FISCAL IMPACTS: None; this is a project update.

LEGAL ISSUES: None known.

CONFLICTS OR ISSUES: None; this is a project update.

SUMMARY AND ALTERNATIVES: See above, this is a project update.