

DATE OF MEETING October 3, 2016

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SUBJECT **LOWER COLLIERY DAM – AUXILIARY SPILLWAY FINAL COSTS**

OVERVIEW

Purpose of Report

To advise Council that the Lower Colliery Dam Auxiliary Spillway has been constructed and to provide a summary of the design and construction costs.

DISCUSSION

Construction of the Lower Colliery Dam Auxiliary Spillway is complete and the structure is now operational. Although the spillway is complete and functional, there is some further work related to dam instrumentation upgrades, and documentation that is currently underway.

At the February 22nd, 2016 Council meeting, an update was provided on the progress of the spillway project and the estimated construction costs. At that time, the estimated total design and construction cost for the spillway was predicted to be \$4,545,000.

With construction complete and minimal future costs expected, the final cost can now be predicted more accurately. The final design and construction costs are expected to be \$4,463,000 including projections for instrumentation and documentation.

Since 2012, the total costs related to dealing with Colliery Dams are \$7,070,000. These costs include: construction, engineering, evacuation planning, Colliery Dams Select Committee and legal fees.

With the Lower Dam effectively complete, the Middle Dam is under review. The expected approach is to evaluate the risk as well as collect additional hydrologic data that can be used to base future decisions on. At this point, it is unknown what those future decision points will be; however, they could include steps to reduce risk of overtopping. It is expected that further information will be provided to Council in the spring of 2017.

SUMMARY POINTS

- The Lower Colliery Dam Auxiliary Spillway is complete and operational.
- The final costs are expected to be \$4,463,000 which is slightly less than previously estimated.
- Total costs related to Colliery Dams since 2012 are \$7,070,000.
- The Middle Dam is under review and it is expected that a dam safety risk assessment will be completed with results to be provided in 2017.

Submitted by:



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Concurrence by:



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