



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: April 17, 2017

Re: Public Hearing for the restoration of More's Lake

## Executive Summary

This public hearing is for the restoration of More's Lake located at 1501 Business Loop 70 E. The total estimated cost for this project is \$7.8 Million and partial funding has already been appropriated under project number E0204. An interested parties meeting was held on March 10, 2017.

## Discussion

Water & Light (CWL) owns and operates an electrical production plant known as the Municipal Power Plant (MPP) located at 1501 Business Loop 70 E. The MPP was constructed about 1914 on land previously owned by E.C. More. The plant was constructed next to an existing recreational lake known as More's Lake. The MPP was Columbia's sole source of electricity until 1962.

During the early years of electric production, More's Lake was used as a source of cooling water for the MPP's condensers. After World War II, expansions at the MPP overwhelmed the cooling capacity of the Lake and cooling towers were constructed. Also about this time, the MPP started using More's Lake for processing the ash produced by the MPP's solid fuel boilers. CWL continued to use More's Lake for ash handling until coal combustion ceased in September 2015.

In order to be in compliance with the EPA's Coal Combustion Residuals (CCR) rules, CWL needs to remediate the ash in More's Lake. Per the CCR rules, remediation needs to be completed by April 2020. Key project items include:

- Excavation of ash from pond
- Hauling and disposing of ash in the City of Columbia Landfill
- Removal and disposal of ash contaminated earth in the City of Columbia Landfill
- Restoration of the More's Lake dam and shoreline
- Installation of ground water monitoring wells

CWL has hired Burns & McDonnell (B&M) to assist with the engineering work required for the project. B&M has generated preliminary project plans and cost estimates. Initial estimates are that about 90,000 cubic yards of ash material will need to be excavated and removed from More's Lake. The preliminary estimated cost of the project is about \$7.8 million. CWL and B&M are working on finding ways to reduce the project cost, including the possibility of performing the required work with City forces.



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Partial funding has already been appropriated under project number E0204 of the Capital Improvement Program for engineering services and the installation of ground water monitoring wells. An interested parties meeting for the project was held on March 10, 2017. Members of the local media were the only ones in attendance at the meeting and no comments were offered.

Following the public hearing staff is seeking Council approval of a resolution declaring the necessity and authorizing staff to proceed with the restoration of More's lake.

## Fiscal Impact

Short-Term Impact: The total estimated cost for this project is \$7.8 Million and partial funding has already been appropriated under project number E0204.

Long-Term Impact: None

## Vision & Strategic Plan Impact

### Vision Impacts:

Primary Impact: Not Applicable, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

### Strategic Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

### Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

## Legislative History

Date	Action
June 20, 2016	B149-16 Authorizing an agreement for professional engineering services with Burns & McDonnell Engineering Company, Inc. for the Moore's Lake remediation and site restoration project at the Municipal Power Plant.
January 3, 2017	B345-16 Authorizing a first addendum to agreement for professional engineering services with Burns & McDonnell Engineering Company, Inc. for the More's Lake remediation and site restoration project at the Municipal Power Plant.



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## Suggested Council Action

Following input at the public hearing and after Council consideration, staff recommends that Council authorize staff to proceed with the restoration of More's Lake.