



Legislation Details (With Text)

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Title: To authorize the Director of Public Utilities to enter into an agreement with Black and Veatch Corporation for professional engineering services for the Hap Cremean Water Plant Intake Structure and Low Head Dam Rehabilitation Project for the Division of Water; and to authorize an expenditure up to \$336,750.00 within the Water General Obligations Bonds Fund. (\$336,750.00)

Sponsors:

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Attachments: 1. ORD 2878-2017 Information, 2. ORD 2878-2017 SWIF, 3. ORD 2878-2017 map, 4. ORD 2878-2017 Funding

Date	Ver.	Action By	Action	Result
12/7/2017	1	CITY CLERK	Attest	
12/6/2017	1	MAYOR	Signed	
12/4/2017	1	COUNCIL PRESIDENT	Signed	
12/4/2017	1	Columbus City Council	Approved	Pass
11/20/2017	1	Columbus City Council	Read for the First Time	

1. BACKGROUND: This legislation authorizes the Director of Public Utilities to enter into a professional engineering services agreement with Black and Veatch Corporation, for the Hap Cremean Water Plant (HCWP) Intake Structure and Low Head Dam Rehabilitation Project, in an amount up to \$336,750.00, for Division of Water Contract No. 2086.

Black and Veatch will provide services for study and condition / needs assessment, detailed design, and construction administration services to improve plant intake debris removal and for the repair of deteriorated concrete and other defective components at the intake facility and dam.

Debris from the Big Walnut Creek accumulates on the plant's intake bar screens and is periodically manually raked from the screens. The consultant will evaluate options (including mechanical removal systems) and recommend an approach to reduce amount of debris that accumulates at the intake and to improve debris removal to make the operation safer and less labor intensive.

Additionally, a condition assessment will be performed on all aspects of the intake facility and dam including, but not limited to: roof, doors, and windows of the intake building, pedestrian walkways, grating, hatch covers, handrails, guardrails, security fencing, lighting and other electrical accessories, stop logs, monorail system, flashboards, dam structure, trash booms, bar screens, debris removal equipment, water sampling equipment and associated pedestrian accesses, both 72-inch and 84-inch raw water conduits from the intake to the treatment facility, and feed lines from the Powder Activated Carbon (PAC) facility to the raw water intake. Black and Veatch will evaluate the Big Walnut Creek stream corridor upstream and downstream of the intake for erosion and sedimentation issues which could adversely impact operations and structural integrity of said infrastructure.

FUTURE MODIFICATION(S): Modification No. 1 for Detailed Design is expected in 2019 and Modification No. 2

for Engineering Services During Construction is expected in 2020.

ESTIMATED COST OF PROJECT:

Original Contract (current request):	\$ 336,750.00
Detailed Design (Future Anticipated Mod):	\$ 550,000.00
Services thru Construction (Future Anticipated Mod):	<u>\$ 500,000.00</u>
Estimated Engineering Contract Total:	\$1,386,750.00

The project is in the Northeast Planning Area, although Hap Cremean Water Plant serves a much broader area of the city.

2. ECONOMIC IMPACT/ADVANTAGES; COMMUNITY OUTREACH; PROJECT DEVELOPMENT; ENVIRONMENTAL FACTORS/ADVANTAGES OF PROJECT:

This project will address aging infrastructure associated with processes that are necessary for adequate drinking water supply and treatment. These systems have experienced structural and operational issues in the past and many components are past their useful life. The HCWP is an essential and integral component in the Columbus area water supply and treatment infrastructure. Adequate safe supply of water is essential to economic growth and development.

Public informational meetings are not anticipated for this project, all proposed work should be within the boundaries of the water treatment facility. Regulatory agencies will be notified of the proposed work as appropriate.

3. BID INFORMATION: The selection of the firm providing the professional engineering services has been performed in accordance with the procedures set forth in Columbus City Code, Section 329, "Awarding professional service contracts through requests for proposals." The evaluation criteria for this contract included: 1. Project Team, 2. Understanding of the Project, 3. Environmentally Preferable, 4. Past Performance, 5. and Local Workforce.

On May 19, 2017, the Department received three (3) Request for Proposals (RFP's) from: Black and Veatch Corporation, Burgess and Niple, and Brown and Caldwell.

An evaluation committee reviewed the proposals and scored them based on the criteria mentioned above. The Department of Public Utilities recommends the agreement be awarded to Black and Veatch Corporation.

The Contract Compliance Number for Black and Veatch Corporation is 43-1833073 (expires 9/18/19, MAJ, DAX #8038). Additional information regarding all bidders, description of work, contract time frame and detailed amounts can be found on the attached Information form.

Searches in the Excluded Party List System (Federal) and the Findings for Recovery list (State) produced no findings against Black and Veatch Corporation.

4. FISCAL IMPACT: There is sufficient funding within the Water G.O. Bonds Fund for this expenditure.

To authorize the Director of Public Utilities to enter into an agreement with Black and Veatch Corporation for professional engineering services for the Hap Cremean Water Plant Intake Structure and Low Head Dam Rehabilitation Project for the Division of Water; and to authorize an expenditure up to \$336,750.00 within the Water General Obligations Bonds Fund. (\$336,750.00)

WHEREAS, four technical proposals for professional engineering services for the Hap Cremean Water Plant Intake Structure and Low Head Dam Rehabilitation Project Project were received on May 19, 2017; and

WHEREAS, the Department of Public Utilities recommends that the agreement be awarded to Black and Veatch Corporation; and

WHEREAS, it is necessary to authorize an expenditure of funds within the Water G.O. Bonds Fund, for the Division of Water; and

WHEREAS, it has become necessary in the usual daily operation of the Division of Water, Department of Public Utilities, to authorize the Director of Public Utilities to enter into a professional engineering services agreement with Black and Veatch Corporation for the Hap Cremean Water Plant Intake Structure and Low Head Dam Rehabilitation Project for the preservation of the public health, peace, property and safety; now, therefore

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBUS:

SECTION 1. That the Director of Public Utilities is hereby authorized to enter into a professional engineering services agreement for the Hap Cremean Water Plant Intake Structure and Low Head Dam Rehabilitation Project with Black and Veatch Corporation (FID# 43-1833073), 4016 Townsfair Way, Suite 210, Columbus, Ohio 43219; for an expenditure up to \$336,750.00; in accordance with the terms and conditions of the agreement on file in the Office of the Division of Water.

SECTION 2. That an expenditure of \$336,750.00 or so much thereof as may be needed, is hereby authorized in Fund 6006 - Water G.O. Bonds Fund, in Object Class 06, Capital Outlay, per the accounting codes in the attachment to this ordinance.

SECTION 3. That the funds necessary to carry out the purpose of this Ordinance are hereby deemed appropriated, and the City Auditor shall establish such accounting codes as necessary.

SECTION 4. That the City Auditor is hereby authorized and directed to transfer any unencumbered balance in the project account to the unallocated balance within the same fund upon receipt of certification by the Director of the Department administering said project that the project has been completed and the monies no longer required for said project; except that no transfer shall be made from a project account by monies from more than one source.

SECTION 5. That the City Auditor is authorized to establish proper project accounting numbers as appropriate.

SECTION 6. That the City Auditor is authorized to make any accounting changes to revise the funding source for all contracts or contract modifications associated with this Ordinance.

SECTION 7. That this Ordinance shall take effect and be in force from and after the earliest period allowed by law.