



## Legislation Text

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**File #: 0403-2010, Version: 1**

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**1. BACKGROUND:** This legislation authorizes the Director of Public Utilities to enter into an agreement with Burgess & Niple, Inc., in the amount of \$4,259,792.00, for professional engineering services for the Hap Cremean Water Plant (HCWP) Treatment Improvements Project.

Modifications to the Hap Cremean Water Plant (HCWP) treatment process are necessary to comply with new rules promulgated by the Ohio Environmental Protection Agency set forth in the *Stage 2 Disinfection By-Product Rule* and the *Long Term 2 Enhanced Surface Water Treatment Rule*. This contract is for professional services for detailed design of treatment improvements selected from several pilot studies conducted in a previous contract at the Hap Cremean Water Plant. The new improvements will give the City the capability to remain in compliance with OEPA rules for drinking water.

Work to be performed under this agreement will be completed in two phases: Preliminary Engineering and Detailed Design. The agreement will need to be modified in order to provide for a third phase, Services During Construction.

Preliminary Engineering: Work under this phase will include the evaluation and analysis of four layout options, including the evaluation of two oxygen source alternatives (bulk liquid oxygen and ambient air for on-site generation of high purity oxygen gas), and two ozone feed injection alternatives (fine bubble diffusion and high efficiency injection). Elements of this phase of work will include various meetings and workshops; value engineering; survey and mapping of the project site; geotechnical investigations; design drawings (50 percent); and a Preliminary Design Report (PDR). The option analysis will include preliminary construction cost estimates; probable annual operating, maintenance, and repair costs; a present worth analysis; basis of design narrative; construction phasing, general operational descriptions, preliminary hydraulics analysis, and a preliminary schedule.

Detailed Design: Work under this phase will include the preparation of Detailed Construction Contract Documents in accordance with the approved Preliminary Design Report (PDR). Construction Contract Documents will include Construction Costs Estimate, Detailed Engineering Drawings, Specifications, and Bidding Documents.

**2. 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 329.14, "Awarding professional service contracts through requests for proposals." Requests for Proposals (RFP's) were received on September 19, 2009 from Burgess & Niple, Inc. and CH2M Hill, Inc.

An evaluation committee reviewed the proposals and scored them based on the evaluation criteria specified in the RFP: quality and feasibility of the offeror's technical proposal, ability of the offeror to perform the required service competently and expeditiously, past performance, environmental innovation, and location of staff. Based on the evaluation of the proposals submitted, the Director of Public Utilities requests award of the project to Burgess & Niple, Inc.

The Contract Compliance Number for Burgess & Niple, Inc. is 31-0885550 (expires 12/10/10, Majority). Additional information regarding both bidders, description of work, contract time frame and detailed amounts can be found on the attached Legislation Information Form.

**3. FUTURE CONTRACT MODIFICATIONS:**

The agreement will need to be modified in order to provide professional engineering services for the Third Phase, Services During Construction.

**4. FISCAL IMPACT:** A transfer of funds within the Water Super Build America Bonds Fund will be necessary, as well as an amendment to the 2009 Capital Improvements Budget.

To authorize the Director of Public Utilities to enter into an agreement with Burgess & Niple, Inc. for professional engineering services for the Hap Cremean Water Plant (HCWP) Treatment Improvements Project; to authorize a transfer and expenditure of \$4,259,792.00 within the Water Super Build America Bonds Fund; for the Division of Power and Water; and to amend the 2009 Capital Improvements Budget. (\$4,259,792.00)

**WHEREAS**, two technical proposals for professional engineering services for the Hap Cremean Water Plant (HCWP) Treatment Improvements Project were received on September 19, 2009; and

**WHEREAS**, Burgess & Niple, Inc. was the firm selected to perform the design services for this project based on criteria set forth in Columbus City Codes; and

**WHEREAS**, the Division of Power and Water would like to enter into a professional engineering agreement with Burgess & Niple, Inc. for the Hap Cremean Water Plant (HCWP) Treatment Improvements Project, for the aforementioned reasons; and

**WHEREAS**, it is necessary for this Council authorize the transfer within and expenditure of funds from the Water Super Build America Bonds Fund, for the Division of Power and Water; and

**WHEREAS**, it is necessary to authorize an amendment to the 2009 Capital Improvements Budget for the purpose of providing sufficient spending authority for the aforementioned project expenditure; and

**WHEREAS**, it has become necessary in the usual daily operation of the Division of Power and Water, Department of Public Utilities, to authorize the Director of Public Utilities to enter into an agreement for professional engineering services for the Hap Cremean Water Plant (HCWP) Treatment Improvements Project, for the preservation of the public health, peace, property and safety;

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

**SECTION 1.** That the Director of Public Utilities be and hereby is authorized to enter into an agreement for professional engineering services for the Hap Cremean Water Plant (HCWP) Treatment Improvements Project; with the best, responsive and responsible bidder, Burgess & Niple, Inc., 5085 Reed Road, Columbus, Ohio 43220; in the amount of \$4,259,792.00; in accordance with the terms and conditions of the contract on file in the Office of the Division of Power and Water.

**SECTION 2.** That the City Auditor is hereby authorized to transfer \$4,259,792.00 within the Department of Public Utilities, Division of Power and Water, Water Super Build America Bonds Fund, Fund No. 610, Dept/Div. No. 60-09, Object Level Three 6686, as follows:

**Fund No. | Project No. | Project Name | OCA Code | Change**

610 | 690430-100000 (new funding) | HCWP Treatment Imp's | 610430 | -\$4,259,792

610 | 690430-100001 (new funding) | HCWP Treatment Imp's Detailed Design & Construction | 643001 | +\$4,259,792

**SECTION 3.** That the 2009 Capital Improvements Budget is hereby amended as follows:

**Fund No. | Proj. No. | Proj. Name | Current Authority | Revised Authority | Change**

610 | 690430-100000 (new funding) | HCWP Treatment Imp's | \$6,000,000 | \$1,740,208 | -\$4,259,792

610 | 690430-100001 (new funding) | HCWP Treatment Imp's Detailed Design & Construction | \$0 | \$4,259,792 | +\$4,259,792

**SECTION 4.** That the expenditure of \$4,259,792.00 is hereby authorized for the Hap Cremean Water Plant (HCWP) Treatment Improvements Project within the Water Super Build America Bonds Fund, Fund No. 610, Division 60-09, Project No. 690430-100001 (new funding), OCA Code 643001, Object Level Three 6686.

**SECTION 5.** 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 6.** 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 7.** That the City Auditor is authorized to establish proper project accounting numbers as appropriate.

**SECTION 8.** That this Ordinance shall take effect and be in force from and after the earliest period allowed by law.