



Legislation Details (With Text)

File #: R-2017-370 **Version:** 1 **Name:** Automation and SCADA Improvement ATP B&V 18-01 (Black & Veatch 18-9416A)
Type: Resolution **Status:** Passed
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Title: A Resolution Of The City Commission Of The City Of Hollywood, Florida, Authorizing The Appropriate City Officials To Execute The Attached Authorization To Proceed For Work Order No. B&V 18-01 Between Black & Veatch Corporation And The City Of Hollywood To Develop And Implement Automation And SCADA Improvements For Optimization Of The Influent Distribution, Oxygenation Trains, Return Activated Sludge, Wasted Activated Sludge, And Deep Injection Well Systems And Processes At The Southern Regional Wastewater Treatment Plant, In The Lump Sum Amount Of \$299,460.00; And Approving An Amendment To The Fiscal Year 2018 Capital Improvement Program, As Set Forth In Exhibit A (City Project No. 18-9416a).

Sponsors:

Indexes:

Code sections:

Attachments: 1. 1 Resolution - Automation and SCADA Improvement ATP B&V 18-01 (Black & Veatch 18-9416A).pdf, 2. 2 Exhibit A - Automation and SCADA Improvement ATP B&V 18-01 (Black & Veatch 18-9416A).pdf, 3. 3 ATP - Automation and SCADA Improvement ATP B&V 18-01 (Black & Veatch 18-9416A).pdf, 4. 4 Proposal - Automation and SCADA Improvement ATP B&V 18-01 (Black & Veatch 18-9416A).pdf, 5. Term Sheet - Black & Veatch Work Order 18-01.pdf, 6. BIS 18-049.pdf

Date	Ver.	Action By	Action	Result
12/6/2017	1	Regular City Commission Meeting	adopt	Pass

A Resolution Of The City Commission Of The City Of Hollywood, Florida, Authorizing The Appropriate City Officials To Execute The Attached Authorization To Proceed For Work Order No. B&V 18-01 Between Black & Veatch Corporation And The City Of Hollywood To Develop And Implement Automation And SCADA Improvements For Optimization Of The Influent Distribution, Oxygenation Trains, Return Activated Sludge, Wasted Activated Sludge, And Deep Injection Well Systems And Processes At The Southern Regional Wastewater Treatment Plant, In The Lump Sum Amount Of \$299,460.00; And Approving An Amendment To The Fiscal Year 2018 Capital Improvement Program, As Set Forth In Exhibit A (City Project No. 18-9416a).

Staff Recommends: Approval of the attached Resolution

Explanation:

The City of Hollywood, Department of Public Utilities has the responsibility for planning,

regulating, designing, constructing, operating, and maintaining a water treatment plant and a regional wastewater treatment plant within the City's corporate limits.

In 2014, the Department of Public Utilities, Instrumentation, Controls, and Electrical (ICE) staff performed a high level assessment of the existing water and wastewater treatment plants' Supervisory Control and Data Acquisition System (SCADA).

The assessment focused on documenting existing Programmable Logic Controller (PLC) and Human Machine Interface (HMI) hardware and software and provided a roadmap towards the automation and SCADA improvements for optimization of several systems and processes within the Utility primarily aimed at increasing operational efficiency and reduction of chemical costs.

Following the recommendations and findings of the high level assessment, the City Commission approved work order No. B&V 17-01 via Resolution No. R-2016-357 for Black & Veatch Corporation to develop and implement automation and SCADA improvements for optimization of the Oxygen Generation, the Chlorination, and the Effluent Pump Station as part of the first phase of the SCADA improvements at the Southern Regional Wastewater Treatment Plant.

After Black & Veatch completed the work order No. B&V 17-01, the City Department of Public Utilities staff requested another proposal from Black & Veatch Corporation to develop and implement automation and SCADA improvements for optimization of the Influent Distribution, Oxygenation Trains, Return Activated Sludge, Deep Injection Wells, Wasted Activated Sludge Systems and Processes.

Black & Veatch Corporation and the City of Hollywood have a Professional Services Agreement for General Engineering Consulting Services for Water Treatment Plant and Wastewater Treatment Plant projects, and this agreement was approved by the City Commission via Resolution No. R-2017-283 on September 20, 2017; and this agreement has a provision for insurance and indemnification that meets the City's requirements and gives the City the right to terminate for convenience.

The Administration recommends that the City Commission authorize the appropriate City Officials to execute the attached Authorization to Proceed for Work Order No. B&V 18-01 between Black & Veatch Corporation and the City of Hollywood, together with such nonmaterial changes as may be subsequently agreed to by the City Manager and approved as to form and legality by the City Attorney, in a lump sum of \$299,460.00.

It is necessary to amend the approved FY2018 Capital Improvements Program as set forth in Exhibit A, attached.

The estimated time for completion of the Automation and SCADA Improvements is 42 weeks after the Authorization to Proceed for Work Order No. B&V 18-01 has been issued and the kick-off meeting between City staff and consultant has been held.

Recommended for inclusion on the agenda by:
Dr. Wazir A. Ishmael, City Manager
Gus Zambrano, ACM, Sustainable Development
Cintya Ramos, Director, Finance & Administration
Steve Joseph, Director, Public Utilities
Paul A. Bassar, Director of Procurement & Contract Compliance