



## Legislation Details (With Text)

**File #:** R-2016-357    **Version:** 1    **Name:** B&V SRWWTP SCADA Improvements  
**Type:** Resolution    **Status:** Passed  
**File created:** 11/22/2016    **In control:** Department of Public Utilities  
**On agenda:** 12/14/2016    **Final action:** 12/14/2016

**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 17-01 Between Black & Veatch Corporation And The City Of Hollywood To Develop And Implement Automation And SCADA Improvements For Optimization Of The Oxygenation, The Chlorination, And The Effluent Pump Station Systems And Processes At The Southern Regional Wastewater Treatment Plant, In An Amount Of \$299,973.00. To Amend The Approved Fiscal Year 2017 Capital Improvement Program, As Set Forth In Exhibit A (City Project No. 16-9416).

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** 1. Resolution - B&V SRWWTP SCADA Improvements.pdf, 2. Exhibit A - B&V SRWWTP SCADA Improvements.pdf, 3. ATP 17-01 - B&V SRWWTP SCADA Improvements.pdf, 4. SOW - B&V SRWWTP SCADA Improvements.pdf, 5. R-2016-181.pdf, 6. R-2012-074.pdf, 7. Term Sheet - Black & Veatch Work Order 17-01.pdf, 8. BIS 17-053.pdf

| Date       | Ver. | Action By                       | Action | Result |
|------------|------|---------------------------------|--------|--------|
| 12/14/2016 | 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 17-01 Between Black & Veatch Corporation And The City Of Hollywood To Develop And Implement Automation And SCADA Improvements For Optimization Of The Oxygenation, The Chlorination, And The Effluent Pump Station Systems And Processes At The Southern Regional Wastewater Treatment Plant, In An Amount Of \$299,973.00. To Amend The Approved Fiscal Year 2017 Capital Improvement Program, As Set Forth In Exhibit A (City Project No. 16-9416).

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 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 towards increasing operational efficiency and reduction of chemical costs.

Following the recommendations and findings of the high level assessment, the Department of Public Utilities staff requested a proposal from Black & Veatch Corporation to develop and implement automation and SCADA improvements for optimization of the Oxygenation, the Chlorination, and the Effluent Pump Station at the Southern Regional Wastewater Treatment Plant.

Black & Veatch Corporation and the City of Hollywood have a Professional Services Agreement for General Engineering Consulting Services for Energy Efficiency Services which was approved by the City Commission via Resolution No. R-2012-074 on March 21, 2012, and was extended until May 15, 2018 by the City Commission via Resolution No. R-2016-181 on June 15, 2016, and which 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 17-01 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 \$299,973.00.

It is necessary to amend the approved FY 2017 Capital Improvement Program and allocate funding for the Automation and SCADA Improvements for optimization of the Oxygenation, the Chlorination, and the Effluent Pump Station Systems and Processes at the Southern Regional Wastewater Treatment Plant in the amount of \$299,973.00 as set forth in Exhibit A, attached.

The estimated time for completion of the Automation and SCADA Improvements is 42 weeks after authorization to proceed is issued and the kick off meeting between City staff and consultant is held.

Recommended for inclusion on the agenda by:

Dr. Wazir Ishmael, City Manager

George R. Keller, Jr. Assistant City Manager/Finance & Administration, Office of the City Manager

Gus Zambrano, Assistant City Manager/Sustainable Development, Office of the City Manager

Steve Joseph, Director, Public Utilities  
Paul Bassar, Contract Compliance Officer, Office of the City Manager