



## City of Hallandale Beach City Commission Agenda Cover Memo

**Hallandale Beach**  
PROGRESS. INNOVATION. OPPORTUNITY.

| Meeting Date:   | Item Type:  |   | 1 <sup>st</sup> Reading  | 2 <sup>nd</sup> Reading  |
|---|---|---|--|--------------------------|
| <b>8/5/2020</b>   | <input checked="" type="checkbox"/> <b>Resolution</b><br><input type="checkbox"/> <b>Ordinance</b><br><input type="checkbox"/> <b>Other</b> | Ordinance Reading   | <b>N/A</b>   | <b>N/A</b>               |
|   |   | Public Hearing  | <input type="checkbox"/>   | <input type="checkbox"/> |
|   |   | Advertising Required                                      | <input type="checkbox"/>   | <input type="checkbox"/> |
|   |   | Quasi Judicial:   | <input type="checkbox"/>   | <input type="checkbox"/> |
| File No.:   |   |   |  |                          |
| <b>20-174</b>   |   |   |  |                          |
| Fiscal Impact (\$):   | Account Balance (\$):   | Funding Source:   | Project Number :   |                          |
| <b>\$15,927.41</b>  | <b>\$17,511.70</b>  | <b>3330W 534010<br/>Utility Fund</b>                      |  |                          |
| Contract/P.O. Required  | RFP/RFQ/Bid Number:   | Sponsor Name:   | Department:  |                          |
| <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b> | <b>N/A</b>  | <b>James Sylvain, P.E.<br/>Public Works Director</b>      | <b>Public Works</b>  |                          |
| Strategic Plan Focus Areas:   |   |   |  |                          |
| <input checked="" type="checkbox"/> <b>Financial</b>                              | <input type="checkbox"/> <b>Organizational Capacity</b>   | <input checked="" type="checkbox"/> <b>Infrastructure</b> | <input checked="" type="checkbox"/> <b>Development, Redevelopment and Economic Development</b> |                          |
| Implementation Timeline   |   |   |  |                          |
| Estimated Start Date: 4/13/2020    Estimated End Date: 4/13/2025                  |   |   |  |                          |

**SHORT TITLE:**

**A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA AUTHORIZING AN INTERLOCAL AGREEMENT WITH BROWARD COUNTY FOR THE COST-SHARE OF THE NATURESCAPE IRRIGATION SERVICE; DIRECTING THE CITY MANAGER TO EXECUTE THE AGREEMENT; AND PROVIDING AN EFFECTIVE DATE.**

## STAFF SUMMARY:

### **Summary:**

Staff is recommending City Commission allow the City Manager to execute an Interlocal Agreement with Broward County (Exhibit 2) to share the costs of the County's NatureScape Irrigation Service (NIS). This would be a renewal of the 2015 interlocal agreement previously approved.

### **Background:**

In 2005, Broward County and twenty-two (22) municipal water utility partners collaborated in the launching of a NatureScape Irrigation Service, a local variation of a Mobile Irrigation Laboratory designed to provide users with a detailed site evaluation and recommendations for achieving water savings and water quality improvements through modifications in landscape and irrigation system design, maintenance, and operation. Since 2005, NIS has helped local partners achieve more than 1.6 billion gallons in water savings.

Through this ILA, Broward County will perform at least six (6) evaluations, which include three (3) original and three (3) follow up, per year on properties selected in coordination with the City of Hallandale Beach. In the past these properties have been City facilities and large-user commercial accounts such as condo buildings and shopping plazas. The initial evaluation will serve to assess current rates of water consumption as a function of existing landscape design and maintenance and based on the existing irrigation system's condition and standard operation. Following the initial evaluation, the property owner/manager is provided with specific written recommendations for reducing total irrigation demands and increasing irrigation system efficiency through appropriate modifications in the landscape design, as well as irrigation system maintenance and operation. The County will then conduct follow up evaluations of sites inspected no more than three (3) months after the initial evaluation. The follow up evaluations will consist of an assessment to the degree to which the site-specific recommendations have been implemented and quantification of the water savings achieved as a result of the recommended improvements.

The City's Sustainability Action Plan goal to reduce potable water consumption in City Operations, Residential, and Commercial sectors 40% by 2040 depends upon programs such as NIS. Nationwide, irrigation accounts for 80% of consumptive water use. Hallandale Beach. In 2018, through NIS, the City was alerted to 18 irrigation leaks at three City Parks, reducing our water usage by more than 3 million gallons of potable water. Additionally, in years past this program has been used to help overall city water consumption be reduced by working with large commercial water users. This year, one of the sites receiving the benefit of the NIS is Highland Park Village, who is committed to reducing their potable water usage for both economic and environmental reasons.

### **Current Situation:**

The current NIS ILA has expired. To continue gaining the benefits of NIS, the City needs to execute a new 5-year ILA. In an effort to keep costs down, the City has opted only into the

traditional NIS evaluations part of the ILA and has not signed on for the Residential Irrigation Rebate portion, which is new to this year's ILA.

**Why Action is Necessary:**

Pursuant to Procurement Code 23-6 in addition to the fact that Broward County has requested the City bring this Interlocal Agreement for City Commission approval.

**Cost Benefit:**

The total cost of this agreement, over the 5-year term, is \$15,927.41. Annual payments to the County begin with year one at \$3,000 and gradually increase each year to cost a maximum of \$3,376.53 in year five. In return, the City and large-user commercial accounts (at the City's discretion) will improve efficiency in their irrigation and reduce the demand for potable water. For example, NIS alerting the City to the 18 leaks in 2018 at City Parks saved the City \$7,890 in avoided water usage costs, far exceeding the annual cost of the program.

**PROPOSED ACTION:**

The City Commission consider the attached Resolution to direct the City Manager to execute the Interlocal Agreement with Broward County for the Cost-Share of the NatureScape Irrigation Service.

**ATTACHMENT(S):**

Exhibit 1 – Proposed Resolution

Exhibit 2 – Agreement between Broward County and City of Hallandale Beach to Provide Cost Share Support of a NatureScape Irrigation Service