



## Legislation Text

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**File #:** 46636, **Version:** 1

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### **Fiscal Note**

The proposed resolution transfers funding (\$75,000) within Engineering-Facilities Management from Energy Improvements to Park Facility Improvements. The increased funding will be used to offset increased costs associated with replacing the hot water solar heating system at Olbrich Gardens.

### **Title**

Amending the adopted 2017 capital budget to transfer \$75,000 of general obligation borrowing authority from the Energy Improvements major program into the Park Facility Improvements major program to partially fund the Olbrich Solar Hot Water project within the Engineering-Facilities Management capital budget.

### **Body**

Whereas, Olbrich Gardens uses a significant amount of hot water for plant fertilizer, plant irrigation and for standard domestic uses, and

Whereas, Currently this hot water is generated with traditional natural gas hot water heaters, and

Whereas, The City is purchasing materials and building a hot water solar heating system with city staff, and

Whereas, When this solar heating system is complete a 50% reduction in gas use is expected, resulting in 3,000-4,000 therms/yr (\$2400 to \$3200/yr of cost savings).

Whereas, The system, designed by Hein Engineering Group with assistance from (mp)2 Structural Engineers and Sustainable Engineering Group, consists of (20) 4'x10' solar collector panels mounted on the roof over the headhouse, an 800 gallon storage tank inside the headhouse and associated heat exchangers, piping, insulation, pumps and controls, and

Whereas, The system will include a "green screen" display in the lobby that can be viewed by the public for education and for facility staff to track performance.

Now Therefore be it Resolved that the 2017 Adopted Capital Budget will be amended to transfer \$75,000 of general obligation borrowing authority from the Energy Improvements major program into the Park Facility Improvements major program to partially fund the Olbrich Solar Hot Water project within the Engineering Facilities Management capital budget.