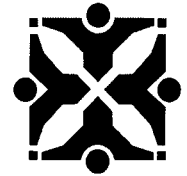


City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: R80-14
Department Source: Water & Light
To: City Council
From: City Manager & Staff
Council Meeting Date: May 5, 2014
Re: Public Hearing - PV Pilot Project at West Ash Street

Documents Included With This Agenda Item

Council memo

Supporting documentation includes: None

Executive Summary

Staff has prepared for Council consideration a resolution setting a public hearing on May 18, 2014 for a solar Photo-Voltaic (PV) Pilot Project at West Ash Street. The estimated cost for this improvement project is \$500,000 and partial funding for this project has been appropriated in the 2014 Capital Improvement Program under project ELO172.

Discussion

For the past six years the more-or-less 1.25 acre field that is located behind the West Ash Pump Station at 1917 West Ash St. has been used as a solar electric production facility. It currently houses 11.7 Kilowatts of solar (PV) panels that directly convert sunlight into electricity through the Photo-Voltaic process. All of the existing panels have been supplied and installed by Dow Chemical through a cooperative demonstration arrangement with the city. The footprint occupied by the Dow panels is a relatively small portion of the field. At this time the utility is interested in exploring the further development of local solar energy and is proposing to add enough panels to fill the remaining available space at that site. The expected incremental capacity addition could add 200 Kilowatts or more to the existing station which could, in turn, produce 250 - 300 Megawatt Hours of energy each year. The electricity produced would be directly connected to the electric distribution system and integrated as a general utility resource. The new panels will be separated from and not have any effect on the existing Dow panels.

The project will be within the grounds located at Bernadette Drive and Tiger Lane. Water & Light held an interested parties meeting on April 23, 2014 at the Parks and Recreation ARC, near the site. At this meeting, staff presented plans to those in attendance, had discussion with attendees, and received comments. Enhancing the development of solar energy in Columbia was generally accepted by the participants. After a Public Hearing and City Council's approval for a resolution declaring the necessity of the Solar Electric Expansion Project, a request for design/supply services will be issued through the City's Purchasing Department.

Fiscal Impact

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Short-Term Impact: The total estimated cost for design/supply of the Solar Electric Expansion Project at Bernadette Drive s \$500,000. The project will take about 6 months to complete. Partial funding of this project is already appropriated in the 2014 Capital Improvement Program under project EL0172.

Long-Term Impact: None

Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Environment

Strategic Plan Impact: Infrastructure

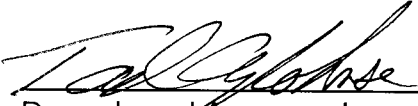
Comprehensive Plan Impact: Infrastructure

Suggested Council Action

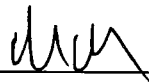
Staff recommends Council approve the resolution setting the Public Hearing on May 19, 2014.

Legislative History

None



Department Approved



City Manager Approved

Introduced by _____ Council Bill No. R80-14

A RESOLUTION

declaring the necessity for installation of a solar photovoltaic (PV) pilot project behind the West Ash Pump Station located at 1917 West Ash Street; stating the nature of and the estimate of the cost of the improvement; providing for payment for the improvement; providing for compliance with the prevailing wage law; and setting a public hearing.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Council deems the installation of a solar photovoltaic (PV) pilot project behind the West Ash Pump Station located at 1917 West Ash Street, necessary to the welfare and improvement of the City.

SECTION 2. The nature and scope of the improvement shall consist of furnishing all labor, materials, transportation, insurance and all other items, accessories and incidentals thereto necessary for the complete construction of the improvements.

SECTION 3. The estimated cost of this improvement is \$500,000.00.

SECTION 4. Payment for this improvement shall be made from the Water and Electric Fund using funds appropriated in Capital Improvement Project No. EL0172 and such other funds as may be lawfully appropriated.

SECTION 5. Any work done in connection with the construction of the improvement specified above shall be in compliance with the provisions of the prevailing wage laws of the State of Missouri.

SECTION 6. A public hearing in respect to this improvement will be held in the Council Chamber of the City Hall Building, 701 E. Broadway, Columbia, Missouri, at 7:00 p.m. on May 19, 2014. The City Clerk shall cause notice of this hearing to be published in a newspaper published in the City.

ADOPTED this _____ day of _____, 2014.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor