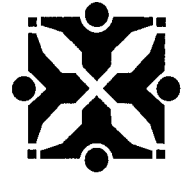


City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: B129-14

Department Source: Water & Light

To: City Council

From: City Manager & Staff

Council Meeting Date: May 19, 2014

Re: PV Pilot Project at West Ash Street

Documents Included With This Agenda Item

Council memo, Resolution/Ordinance

Supporting documentation includes: Maps

Executive Summary

Staff has prepared for Council consideration an ordinance declaring the necessity of a Photo-Voltaic (PV) Pilot Project at 1917 West Ash Street and authorizing the bidding of this project through the Purchasing Division. 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.

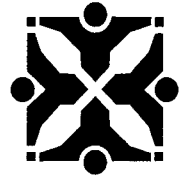
Discussion

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.

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Fiscal Impact

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 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

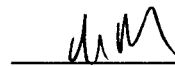
Suggested Council Action

Staff recommends Council approve the ordinance following public input at the public hearing with a motion made directing staff to proceed with a request for design/supply services to be issued and procured through the City's Purchasing Department.

Legislative History

None


Department Approved


City Manager Approved

Introduced by _____

First Reading _____

Second Reading _____

Ordinance No. _____

Council Bill No. B 129-14

AN ORDINANCE

determining it is in the public interest to install a solar photovoltaic (PV) pilot project behind the West Ash Pump Station located at 1917 West Ash Street; approving and adopting plans and specifications; determining that the work shall be done by contract; calling for bids through the Purchasing Division; providing for payment for the improvement; authorizing the City Manager to obtain, execute and record all documents necessary for the improvement; providing for compliance with the prevailing wage law and state-mandated construction safety training; and fixing the time when this ordinance shall become effective.

WHEREAS, the City Council adopted a resolution declaring the necessity of installing a solar photovoltaic (PV) pilot project behind the West Ash Pump Station located at 1917 West Ash Street; and

WHEREAS, the notice of a public hearing on this project was published in a daily newspaper of general circulation in the city; and

WHEREAS, the City Council has held a public hearing on construction of the improvement.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The Council finds that the installation of a solar photovoltaic (PV) pilot project behind the West Ash Pump Station located at 1917 West Ash Street in the City of Columbia, Missouri, is necessary for the welfare and improvement of the city and that it is in the public interest that such improvements be made.

SECTION 2. The plans and specifications for this improvement, as prepared by the Director of Water and Light, are hereby approved and made a part of this ordinance by reference.

SECTION 3. The construction of the improvement shall be done by contract in accordance with the plans and specifications, the laws of the State of Missouri, and the Charter and Ordinances of the City of Columbia, Missouri.

SECTION 4. The Purchasing Agent is hereby authorized to call for bids and execute a contract for the improvement.

SECTION 5. 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 6. The City Manager is authorized to obtain, execute and have recorded all licenses, easements, deeds and any other conveyances or instruments necessary for the City to complete this improvement.

SECTION 7. The contract for the improvement shall provide that not less than the prevailing hourly rate of wages, as found by the Department of Labor and Industrial Relations of Missouri, shall be paid to all workers performing work under the contract. The contractor's bond shall guarantee the faithful performance of the prevailing hourly wage clause in the contract.

SECTION 8. The bid specifications and contract for the improvement shall provide that the contractor and any subcontractor shall provide a ten-hour Occupational Safety and Health Administration construction safety program (or a similar program approved by the Missouri Department of Labor and Industrial Relations) for all employees working on-site. All employees working on the site of the improvement are required to complete the safety program within 60 days of beginning work on the improvement project.

SECTION 9. This ordinance shall be in full force and effect from and after its passage.

PASSED this _____ day of _____, 2014.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor



SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

Maps



