

**CITY OF PEORIA, ARIZONA  
COUNCIL COMMUNICATIONS**

CC: 15R  
Amend No. \_\_\_\_\_

Date prepared: January 13, 2010

Council Meeting Date: February 16, 2010

**TO:** Carl Swenson, City Manager  
**THROUGH:** Susan J. Daluddung, Deputy City Manager  
**FROM:** Andrew Granger, P.E., Engineering Director  
**PREPARED BY:** Ed Striffler, Design & Construction Manager  
**SUBJECT:** Contract, Absolute Wind Power, LLC, Lake Pleasant Pilot Wind Energy Project (Solicitation No. P10-0003).

*[Handwritten initials: SJA, AG, EAS]*

**RECOMMENDATION:**

Discussion and possible action to (a) award a Construction Contract to Absolute Wind Power, LLC, in the amount of \$44,995 for the Lake Pleasant Pilot Wind Energy Project, located within Pleasant Harbor Marina at Lake Pleasant, (b) authorize an expenditure in the amount of \$10,005 for other project related expenses, and (c) authorize the use of reserves and approve a budget transfer in the amount of \$5,000 for landscape improvements from the General Fund Contingency Account 1000-0300-570000 to the General Fund Capital Improvements Account 1000-0813-541003-00507.

**SUMMARY:**

On December 31, 2009, the City of Peoria was awarded the Department of Energy's Energy Efficiency and Conservation Block Grant in the amount of \$1,308,500. As part of the grant, the Department of Energy approved a Pilot Wind Energy Project at the City of Peoria Fire Station located within Pleasant Harbor Marina at Lake Pleasant.

Maricopa Water District is the land owner of Pleasant Harbor Marina and is also the power company for District land.

**CITY CLERK USE ONLY:**

- Consent Agenda
- Carry Over to Date: \_\_\_\_\_
- Approved
- Unfinished Business (Date heard previous: \_\_\_\_\_)
- New Business
- Public Hearing: No Action Taken

ORD. # \_\_\_\_\_ RES. # \_\_\_\_\_  
LCON# 02110 LIC. # \_\_\_\_\_  
Action Date: \_\_\_\_\_

The proposed pilot wind energy project was envisioned as one or two small scale wind turbines that would offset up to fifty percent of the Lake Pleasant Fire Station's annual energy consumption. An educational signage component was included within the grant to educate Lake Pleasant visitors and school children on the benefits of wind as a sustainable energy source. The City of Peoria and Maricopa Water District have worked cooperatively on the proposed project since its inception.

The City issued a statement of interest and qualifications for design-build wind solution providers to respond. The solicitations were advertised in the Peoria Times as well as at McGraw-Hill Dodge, Bid Net, Bid Source, IMS, Reed Construction Data, Shirley's Plan Service, Contractor's Plan Room, and posted on the City of Peoria Materials Management web site. Five teams responded to the advertised requests. Three wind solution providers were selected for interviews. Absolute Wind Energy, LLC was ultimately selected by the selection committee as the most advantageous and qualified firm for this project.

Absolute Wind Energy will provide two wind turbines to achieve the required energy offsets. The thirty-three and forty-five foot high pole mounted Skystream wind turbines are manufactured by Southwest Windpower in Flagstaff, Arizona. Over six thousand of these wind turbines have shipped internationally. Peoria's installation will be the first installation of this technology within Maricopa County.

A small amount of landscaping at the base of the wind turbines was disallowed by the Department of Energy. The grant application was revised to reflect \$5000 worth of landscaping as a grant matching contribution paid by the City of Peoria.

Expenditure authority is being requested in the amount of \$10,005 for project costs as per the following breakdown:

\$ 4,000	Grant compliance services by Com Sense, Inc. (City of Peoria ACON 28009) <b>(Grant funded)</b>
\$ 5,000	Educational signage by Airpark Signs & Graphics (City of Peoria ACON 35909) <b>(Grant funded)</b>
\$ 1005	City of Peoria plan review / permit fees <b>(Grant funded)</b>
<hr/>	
\$ 10,005	Expenditure authority granted this action
<u>\$ 44,995</u>	Construction Contract to Absolute Wind Power, LLC <b>(\$39,995 Grant funded / \$5,000 Grant match)</b>
\$55,000	

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The proposed project schedule is as follows:

Feb 2010	Award design-build project
Summer 2010	Construction completion

**FISCAL NOTE:**

A payment in the amount of \$50,000 for construction services will be made from the Fed DOE Energy Block Grant Fund, Capital Improvements Account 7865-7815-541003-00507 and payment in the amount of \$5,000 will be paid from the General Fund Capital Improvements Account 1000-0813-541003-00507 for a total amount of \$55,000.

**ATTACHMENT:**

1. Contract