



**TO:** Honorable Mayor & Members of the  
Fort Lauderdale City Commission

**FROM:** Lee Feldman, ICMA-CM, City Manager

**DATE:** March 19, 2013

**TITLE:** Motion to approve the purchase of four vertical axis wind turbines –  
Invitation to Bid (ITB) 632-11186 - \$189,980

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**Recommendation**

It is recommended that the City Commission approve the purchase of four (4) vertical axis wind generators from the lowest cost, responsive and responsible bidder, MGP Systems, Inc., d/b/a Alternate Energy Company, in the amount of \$189,980.

**Background**

The Department of Energy awarded the City of Fort Lauderdale \$2,036,400 in 2009 through the Energy Efficiency and Conservation Block Grant. The goal of this grant was to foster the use of innovative technology that would reduce energy consumption, demonstrate conservation strategies, and reduce operational expenses. The City has allocated a portion of these funds to purchase four (4) vertical axis wind turbines rated at 4 kilowatt (kW). These turbines are capable of producing a combined 36,000 kilowatt hours annually (kWh). This purchase does not include installation. The turbines will be installed at a later date through the use of a forthcoming energy performance contractor. Several turbine manufacturers were examined through this process with regard to performance, cost, and ultimately meeting the 2012 update to the Florida Building Code Broward edition for wind load (156 miles per hour) rating for monopole structures. A competitive ITB was conducted and four suppliers responded, refer to Exhibit 1 Bid Tabulation. The apparent low bidder, DirectNu Energy Corporation, submitted a proposal that did not meet the 4kW bid specification rating and was therefore deemed non-responsive.

**Resource Impact**

There is a fiscal impact to the City in the amount of \$189,980.

AVAILABLE FUNDING:								
FISCAL YEAR	FUND	SUBFUND	FUND NAME	INDEX #	INDEX NAME	SUBJECT #	SUBJECT NAME	AMOUNT
2013	128	01	American Recovery & Reinvest Act Grant	GE ECBG09E	Energy Efficiency & Conservation Retrofit	6499	Other Equipment	\$ 189,980.00
							<b>TOTAL</b>	<b>\$189,980.00</b>

## Attachment

Exhibit 1 – Bid Tabulation 632-11186

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Prepared by: Rick Andrews, Procurement Specialist II  
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Acting Department Director: Hardeep Anand, P.E., Public Works