

COUNCIL ACTION FORM

SUBJECT: REPLACEMENT OF DUMP GRATES FOR THE POWER PLANT

BACKGROUND:

The FY2007/2008 operating budget for the Power Plant includes \$100,000 for the replacement of dump grates for Unit # 8 boiler. The FY 2008/2009 operating budget for the Power Plant includes an additional \$125,000 available for these items. Refuse derived fuel (RDF) is burned on these grates. These grates are especially made with slots to allow the RDF to burn better by allowing more air under the grates. In the past, iron grates used at the Plant would be deteriorated to the point of needing replacement in a matter of 6 months or less.

Staff has been testing grates made of stainless steel, and has found that the useful life of these grates is considerably longer. There are a total of 98 grates in Unit # 8 boiler. Current conditions indicate that numerous grates have less than six months of useful life remaining. RDF cannot be burned if the grates fail.

On June 12, 2008, the City received competitive sealed bids from three firms that manufacture these specialized fabric steel grates. Only one firm was able to quote prices and delivery timing to meet the City's requirement at this time. Others indicated they would be unable to manufacture the grates needed due to timeframes and production schedules. Items on this contract have a 15-19 week lead time.

ALTERNATIVES:

1. Award a contract to Detroit Stoker Co., Monroe, MI, in the amount of \$187,828.10 for the replacement of Power Plant dump grates.
2. Reject the bids and do not replace the equipment at this time.

MANAGER'S RECOMMENDED ACTION:

Unit # 8 will not be able to burn RDF if the dump grates in the boiler fail. Many grates are nearing the end of their useful lives.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, awarding a contract to Detroit Stoker Co., Monroe, MI, in the amount of \$187,828.10 for the replacement of Power Plant dump grates.



**INVITATION TO BID NO. 2008-204
UNIT POWER PLANT COAL POWER PLANT DUMP GRATES**

Company Name of Bidder	Detroit Stoker Co. Monroe, MI	Wear Concepts, Inc. Riverside MD	Helmick Corporation, Fairmont, WV
Grate, Standard 56 Inch, 60 ea			
Unit Price	\$1,581.30	NO BID	NO BID
Subtotal, 60 each	\$94,878.00		
Grate, slots, 56 inch, 40 ea			
Unit Price	\$1,581.30	NO BID	NO BID
Subtotal, 40 each	\$63,252.00		
Plate lap			
Unit Price	\$1,470.00	\$1,519.47	NO BID
Subtotal, 10 each	\$14,700.00	\$15,194.70	
SUBTOTAL BID AMOUNT	\$ 172,830.00		
SALES TAX (7%)	\$ 12,098.10		
FREIGHT	\$ 2,900.00		
TOTAL BID AMOUNT	\$ 187,828.10		
Exceptions & Clarifications	None		
Affirmative Action	Yes		
Delivery	15-19 weeks		