

SUMMARY REPORT TO MANAGER
For City Council Meeting of October 9, 2006

SUBJECT: WATER TREATMENT PLANT - INDUSTRIAL PUMP #3 MAINTENANCE

INITIATED BY: Noel D. Bush, Utilities Director

RESOLUTION SUMMARY: This resolution sets a public hearing for Monday, October 23, 2006 at 7:00 p.m. on the proposed amendment of the 2006/07 Water Fund Budget to increase revenues from sale of industrial water by \$60,000.00 and to increase appropriations for Water Treatment Plant Maintenance - Industrial by \$60,000.00.

ITEMS ATTACHED:

1. Letter of transmittal
2. Resolution

COUNCIL ACTION:

1. 3/5 vote required to approve resolution.

NDB/jjs



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October 9, 2006

Honorable Mayor and City Council
City of Midland
333 W. Ellsworth Street
Midland, Michigan 48640

SUBJECT: WATER TREATMENT PLANT - INDUSTRIAL PUMP #3 MAINTENANCE

Dear Councilmen:

The City of Midland Water Treatment Plant (WTP) supplies industrial grade water to The Dow Chemical Company and Dow Corning Corporation. The WTP has two variable-speed pumps and three fixed-speed pumps that are used interchangeably. One variable speed and one fixed speed pump is running at all times to distribute the water and maintain pressure in the industrial line.

The flow varies from 10mgd to 18mgd, and the variable speed pumps increase or decrease speed to hold a constant pressure of 75psi. The variable speed drives are hydraulic and operate similar to a transmission. The motor speed remains constant, while the drive changes the pump speed, and were both installed during the 1979 WTP construction project.

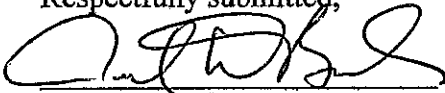
In 1999, the hydraulic variable speed drive for industrial pump #3 failed and was rebuilt. Last month, the hydraulic variable speed drive for industrial pump #3 failed again and needs to be repaired. While the drive is out of service, it would be prudent to refurbish the motor and pump. This will require several different vendors to repair or replace the major components (driver, servo, motor, and pump).

Water Plant staff have consulted with Dow and Dow Corning, and all parties recommend that all necessary repairs be made to industrial pump #3. Water Plant staff are confident that the necessary repairs can be made without causing an interruption of normal service to the City's industrial water customers. The conservative estimate to refurbish all major components of the pump is \$60,000.00, and is not budgeted because the cost of these repairs is to be reimbursed by Dow and Dow Corning in accord with the terms of their industrial water supply agreements with the City.

A budget amendment will be required in order to provide an appropriation for the unanticipated repair cost. The revenue budget will be simultaneously increased to reflect the expected reimbursements from Dow and Dow Corning.

The attached Council resolution will set a public hearing for Monday, October 23, 2006 at 7:00 p.m. in the Council Chambers of City Hall as the date, time and place of the required public hearing on this matter.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Noel Bush', written over a horizontal line.

Noel Bush, Utilities Director



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BY COUNCILMAN

RESOLVED, that in accord with Section 11.6 of the Charter of the City of Midland, a public hearing shall be conducted at 7:00 p.m. on Monday, October 23, 2006, in the Council Chambers of City Hall on the proposal to amend the 2006/07 Water Fund budget to increase revenues from sale of industrial water by \$60,000.00 and to increase appropriations for Water Treatment Plant Maintenance - Industrial by \$60,000.00.

YEAS:

NAYS:

ABSENT:

I, Selina Tisdale, City Clerk, City of Midland, Counties of Bay and Midland, State of Michigan, do hereby certify that the foregoing is a true and correct copy of a resolution adopted by a yeavote of all the Councilmen present at a regular meeting of the City Council held Monday, October 9, 2006.

Selina Tisdale, City Clerk