

E Environment Committee

For the Metropolitan Council meeting of February 25, 2009

ADVISORY INFORMATION

Date Prepared: February 17, 2009

Subject: Authorization for Sole Source Procurement of Dewatered Sludge Pump for Seneca Wastewater Treatment Plant

Proposed Action:

That the Metropolitan Council authorizes its Regional Administrator to procure one dewatered sludge pump for the Seneca Wastewater Treatment Plant (WWTP) from Schwing Bioset, Inc. at a cost not to exceed \$330,000.

Summary of Committee Discussion / Questions:

CM Leppik asked if there will be a maintenance agreement with Schwing. Staff responded that Schwing is a significant manufacturer of pumps, although sludge pumps are not one of its primary products. There will not be a maintenance agreement; however the Council's maintenance staff are very experienced in maintaining these pumps.

CM Bowles asked about the life expectancy of these pumps. Staff explained that with proper (sometimes extensive) maintenance, they should last about 20-30 years.

The proposed action was moved, seconded and passed unanimously.



Environment Committee

Meeting date: February 10, 2009

For the Metropolitan Council Meeting of February 25, 2009

Business Item

Item: 2009 – 70

ADVISORY INFORMATION	
Date:	February 4, 2009
Subject:	Authorization for Sole Source Procurement of Dewatered Sludge Pump for Seneca Wastewater Treatment Plant
District(s), Member(s):	District 5, Polly Bowles; District 15, Daniel Wolter
Policy/Legal Reference:	Council Policy 3-3, Expenditures
Staff Prepared/Presented:	Bryce Pickart, 651-602-1091; Bill Cook, 651-602-1811
Division/Department:	MCES c/o William G. Moore 651-602-1162

Proposed Action

That the Metropolitan Council authorizes its Regional Administrator to procure one dewatered sludge pump for the Seneca Wastewater Treatment Plant (WWTP) from Schwing Bioset, Inc. at a cost not to exceed \$330,000.

Background

The Seneca Wastewater Treatment Plant processes its biosolids by thickening, dewatering with centrifuges, and incineration. There are three dewatering centrifuges with dedicated dewatered sludge pumps that convey the dewatered sludge to the two incinerators. This system was installed in 1991 to 1993. Two of the original dewatered sludge pumps, manufactured by Rennell, were replaced with new pumps by Schwing in 2001, because the Rennell pumps were unreliable and costly to maintain. The Schwing pumps have been reliable and have lower maintenance costs.

Schwing pumps are the most widely used dewatered sludge pumps in North America. MCES has eight Schwing pumps at the Metropolitan WWTP, in addition to the two pumps at the Seneca WWTP.

The remaining Rennell pump at the Seneca WWTP is unreliable and cannot continue to be maintained because spare parts are no longer available. As the three dewatering centrifuges have accumulated more operating time over the last 15 years, their downtime for maintenance has been increasing. Therefore, to ensure reliable sludge processing, a new third dewatered sludge pump is recommended. Based on reliability, low maintenance costs, and savings on spare parts and labor, sole source procurement of a dewatered sludge pump from Schwing Bioset, Inc. of White Bear Lake, Minnesota is recommended.

Rationale

Sole source procurements exceeding \$250,000 require authorization by the Metropolitan Council.

Funding

BUDGET INFORMATION					
Annual or Capital	Project No.	Estimated Project Cost	Current Auth.	Unencumbered Funds	Requested Amount
Capital	801900	\$23,000,000	\$26,000,000	\$4,100,000	\$330,000

Known Support/Opposition

None.