



Staff Report

RESOLUTION APPROVING THE PURCHASE OF AN EMERGENCY STANDBY GENERATOR FOR THE HASKINS PUMP STATION FOR AN AMOUNT NOT TO EXCEED \$43,678.88 AND AUTHORIZING THE TRANSFER OF FUNDS

Honorable Mayor and Council Members:

Summary

Staff is requesting Council approval for the purchase of the emergency standby generator for the Haskins pump station.

Background

The City of Belmont is planning to rehabilitate the Haskins sanitary sewer pump station that was constructed on Haskins Drive at East Laurel Creek Road in 1982. City staff has designed improvements to the Haskins pump station to increase its pumping capacity to handle current and future flows, reduce maintenance costs and improve accessibility of the sewage holding tank, piping, valves and pumps.

The State and Regional Water Quality Control Boards recently have required every City to develop and implement a Sanitary Sewer Overflow Emergency Plan. As part of this plan, each municipal agency shall take necessary steps to reduce the likelihood of sanitary sewer overflows. By insuring that pump stations have an uninterruptible power source, the City will greatly reduce the risk of a sanitary sewer overflow occurring at the pump stations. The biggest Belmont pump station (San Juan) is already equipped with the stationary emergency generator. Haskins pump station located by East Laurel Creek is the next one to be equipped with the emergency generator to avoid overflows into State waters. The cost of the generator will be paid from the Sanitary Sewer Operations fund. City staff will obtain necessary permits for the generator installation from the Bay Area Air Quality Management District.

This generator is diesel powered and meets both the EPA (Environmental Protection Agency) and CARB (California Air Resources Board) PM (particulate matter) emission standards. Staff has also checked with the BAAQMD (Bay Area Air Quality Management District) and they have approved this generator with no additional exhaust emission after treatment devices.

Staff also looked at other fuel sources for the emergency generator such as natural gas and propane. Natural gas is piped into the generator and in the event of an earthquake this line could

break and cause the fuel supply to be interrupted. This interruption of fuel delivery would prevent

the generator from running. Propane fuel requires a large tank to provide an adequate fuel reserve. This large tank increases the overall cost of the generator, increases the overall size of the pump station and increases the risk of fire and or explosion. In addition, both natural gas and propane fueled generators produce more NOx (oxides of nitrogen) and CO (carbon monoxide) emissions than the new emission compliant diesel engines.

Discussion

City staff in conjunction with the electrical engineering consultant developed specifications for the new generator on Haskins pump station that will be adequate to operate the pump station during a power outage, yet quiet enough to abide by the Belmont noise ordinance. City staff has provided specifications for the generator to four vendors and four quotes were received. The lowest bidder was Kohler Power Systems.

QUOTE CHART

VENDOR	GENERATOR	SOUND ENCLOSURE	TOTAL BID PRICE
Kohler Power Systems	\$29,600.00	\$10,750.00	\$43,678.88
Peterson Power Systems (Caterpillar)	\$31,575.00	\$28,900.00	\$65,464.19
Energy Systems	\$36,979.00	\$7,800.00	\$48,473.27
Cummins West, Inc.	\$53,737.00	Included	\$58,170.30

General Plan/Vision Statement

No impact.

Fiscal Impact

The total purchase price for the generator is \$43,678.88 including sales tax. The monies necessary are included in the 2006-07 Sanitary Sewer Operations budget, Account No. 501-3102-9040. The funds will be transferred from the Sanitary Sewer Operations budget, Account No. 501-3102-9040 into the CIP Haskins & Hastings Pump Station Rehabilitation, Account 503-4326-7024-9030.

Public Contact

Posting of the City Council agenda.

Recommendation

Staff recommends approving the purchase of the emergency generator from Kohler Power Systems for an amount not to exceed \$43,678.88 and authorize the transfer of \$43,678.88 from 501-3101-9040 to the CIP Account Number 503-4326-7024-9030; and to increase the CIP account from \$561,000 to \$604,678.88.

Alternatives

1. Deny Resolution.
2. Refer back to staff for further information.

Attachments

- A. Resolution

Respectfully submitted,

Randy Ferrando
Public Works Services Manager

Raymond E. Davis III, PE, PTOE
Public Works Director

Jack R. Crist
City Manager

Staff Contact:
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Public Works Services Manager
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RESOLUTION NO. _____

RESOLUTION APPROVING THE PURCHASE OF AN EMERGENCY STANDBY GENERATOR FOR THE HASKINS PUMP STATION FOR AN AMOUNT NOT TO EXCEED \$43,678.88 AND AUTHORIZING THE TRANSFER OF FUNDS

WHEREAS, the City of Belmont will rehabilitate the Haskins pump station; and,

WHEREAS, the State and Regional Water Quality Control Boards have required every City to develop and implement a Sanitary Sewer Overflow Emergency Plan to reduce the likelihood of sanitary sewer overflows; and,

WHEREAS, by insuring that pump stations have an uninterruptible power source, the City will greatly reduce the risk of a sanitary sewer overflow occurring at the pump stations; and,

WHEREAS, the City staff in conjunction with the electrical engineering consultant developed specifications for the new generator on Haskins pump station that will be adequate to operate the pump station during power outage, yet quiet enough to abide the Belmont noise ordinance; and,

WHEREAS, the City staff has provided specifications for the generators to four vendors and four quotes were received; and,

WHEREAS, the City staff recommends approving the purchase of the emergency generator from the lowest responsible bidder Kohler Power Systems for an amount not to exceed \$43,678.88; and,

WHEREAS, funding shall be from the FY2006/07 Sanitary Sewer Operations budget, account 501-3102-9040; and,

WHEREAS, funds will be transferred from the Sanitary Sewer Operations budget Account No. 501-3102-9040 into the CIP Haskins & Hastings Pump Station Rehabilitation, Account 503-4326-7024-9030, and to increase the CIP account from \$561,000 to \$604,678.88.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Belmont approves the purchase of the emergency standby generator for an amount not to exceed \$43,678.88 and authorizes the transfer of \$43,678.88 from the Sanitary Sewer Operations budget Account Number 501-3101-9040 to the CIP Account Number 503-4326-7024-9030, and to increase the CIP account from \$561,000 to \$604,678.88.

* * * * *

I hereby certify that the foregoing Resolution was duly and regularly passed and adopted by the City Council of the City of Belmont at a regular meeting thereof held on April 24, 2007 by the following vote:

AYES, COUNCILMEMBERS: _____

NOES, COUNCILMEMBERS: _____

ABSTAIN, COUNCILMEMBERS: _____

ABSENT, COUNCILMEMBERS: _____

CLERK of the City of Belmont

APPROVED:

MAYOR of the City of Belmont