



Staff Report

RESOLUTION APPROVING THE PURCHASE OF AN EMERGENCY STANDBY GENERATOR FOR THE NORTH ROAD PUMP STATION FOR AN AMOUNT NOT TO EXCEED \$79,747.50

Honorable Mayor and Council Members:

Summary

Staff is requesting City Council's approval for the purchase of an emergency standby generator for the North Road Pump Station.

Background

The State and Regional Water Quality Control Boards recently required every City to develop and implement a Sanitary Sewer Overflow Emergency Plan. As part of this plan, each municipal agency will take the necessary steps to reduce the likelihood of sanitary sewer overflows. By insuring that the North Road Pump Station has an uninterruptible power source, the City will greatly reduce the risk of a sanitary sewer overflow occurring at the pump station.

Island Park, San Juan and Haskins Pump Stations are already equipped with stationary emergency generators. Hastings Pump Station is currently under construction and will be equipped with an emergency stationary generator.

North Road Pump Station is the second largest pump station in the City. It is located at the corner of El Camino Real. North Road Pump Station has experienced several power supply problems during the summer and winter seasons. In the past, the Public Works maintenance staff has prevented the Pump Station from overflowing into the street which would result in numerous fines from the State Water Board, Regional Water Quality Control Board and Caltrans.

Discussion

The proposed generator for the North Road Pump Station will be equipped with a standard sound attenuated enclosure reducing the noise levels to 75dBA at 23 feet. The reason for the standard sound enclosure instead of the custom-made sound enclosure is that the noise levels on North Road at El Camino Real do not comply with Belmont noise ordinance due to heavy traffic, trains and buses. The custom-made sound attenuation enclosure brings the noise level to 65dBA during the daytime with noise from El Camino Real being at 80 dBA and higher due to heavy traffic, buses and trains does not warrant additional spending of the sewer funds on the sound

attenuating enclosure.

The emergency generator is diesel powered and meets both the EPA (Environmental Protection Agency) and CARB (California Air Resources Board) PM (particulate matter) emission standards. Staff also looked at other fuel sources for the emergency generator such as natural gas and propane. Natural gas would be piped into the generator and in the event of an earthquake the 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.

City staff in conjunction with the electrical engineering consultant developed specifications for the new generator that will enable the Pump Station to operate during a power outage.

Public Works intends to standardize all of the emergency generators to be used for pump stations. This will enable all of the Public Works Services staff to be familiar with the operations and maintenance of the emergency generators. The standardization will also enable us to reduce the inventory of spare parts. The ability to respond quickly and make the necessary repairs will reduce the potential of raw sewage spilling out of the pump stations and into our storm drain system and ultimately to the Bay.

Public Works staff went through a qualifications selection process when selecting our first emergency generators for the San Juan and Haskins Sewer Pump Stations. The Kohler/ Collicutt generators were selected as the most cost effective units that have a solid record of dependability and outstanding service from the manufacturer. The manufacturer also provided on-site training of their equipment and has an excellent inventory of parts in stock for the immediate delivery to the City should we need a part for the generator.

City staff will obtain the necessary permits for the generator installation from the Bay Area Air Quality Management District.

General Plan/Vision Statement

This project is consistent with the General Plan General Community Goals and Policies section (Paragraph 1015), which states “To provide public services efficiently and at a level adequate to serve an ultimate population of about 28,000.” and with the General Plan Public Facilities and Services Goals section (Paragraph 2041), which states “To provide public services at a level adequate to ensure public safety, health and welfare at the lowest possible cost; to establish and maintain all essential public services and facilities in a manner that ensures continued operation in time of emergency.”

Fiscal Impact

The cost of the generator will be paid from the North Road Pump Station Generator project .The

total purchase price for the generator is \$79,747.50 including sales tax. The monies necessary are included in the 2008-09 Sewer Capital Improvement Program budget, Account No. 503-4326-7023-9030.

Public Contact

Posting of the City Council agenda.

Recommendation

Staff recommends approving the purchase of the emergency generator from Kohler/Collicutt for an amount not to exceed \$79,747.50.

Alternatives

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

Attachments

- A. Resolution

Respectfully submitted,

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Associate Civil Engineer

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Public Works Director

Jack R. Crist
City Manager

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RESOLUTION NO. _____

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BELMONT APPROVING THE PURCHASE OF AN EMERGENCY STANDBY GENERATOR FOR THE NORTH ROAD PUMP STATION FOR AN AMOUNT NOT TO EXCEED \$79,747.50

WHEREAS, the State and Regional Water Quality Control Boards 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 the North Road Pump Station has an uninterruptible power source, the City will greatly reduce the risk of a sanitary sewer overflow occurring at the pump station; and,

WHEREAS, City staff in conjunction with the electrical engineering consultant developed specifications for a new generator at the North Road Pump Station that will operate the pump station during power outage; and,

WHEREAS, City staff recommends approving the purchase of an emergency standby generator from the Kohler/Collicutt for an amount not to exceed \$79,747.50; and,

WHEREAS, funding shall be from the FY 2008/09 Pump Station Emergency Generator – North Road/Hiller Street Pump Stations budget, account 503-4326-7023-9030.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Belmont approves the purchase of an emergency generator for the North Road Pump Station for an amount not to exceed \$79,747.50.

* * * * *

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 October 28, 2008 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