



NORTH SAN MATEO COUNTY SANITATION DISTRICT

a subsidiary of the City of Daly City

333 – 90TH STREET, DALY CITY, CALIFORNIA 94015-1895

(650) 991-8127



REGULAR MEETING – BOARD OF DIRECTORS

Monday, May 22, 2017 - 6:45 PM
City Hall Council Chambers – 2nd Floor
333 – 90th Street, Daly City, CA 94015

AGENDA

Persons with disabilities who require auxiliary aids or services in attending or participating in this meeting should call the office of the City Clerk at 991-8078. *We will need **FIVE (5) WORKING DAYS BEFORE ANY FUTURE MEETINGS** to make any necessary accommodations.*

CALL TO ORDER:

ROLL CALL:

APPROVAL OF AGENDA:

CONSENT AGENDA

All items listed on the Consent Agenda are considered to be routine and may be approved by one roll call vote of the Board of Directors. There shall be no separate discussion of the matters on the Consent Agenda unless requested by a member of the Board. If discussion is required, that item will be removed from the Consent Agenda and will be considered separately at the end of the Agenda.

Minutes:

1. Regular Meeting of April 24, 2017

Action Items:

2. Resolution of Intent to Adopt Appropriations Limitation

END OF CONSENT AGENDA

PUBLIC APPEARANCES/ORAL COMMUNICATIONS:

***“AVAILABILITY OF PUBLIC RECORDS.** All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the City Clerk’s Office, City Hall located at 333 90th Street, Daly City, CA during normal business hours, at the same time that the public records are distributed or made available to the legislative body.”*

NOTE: Speakers are limited to two minutes, unless modified by the Chair. The District cannot take action on any matter raised under this item.

NEW BUSINESS:

3. Authorization to Purchase Replacement for Grit Classifier at the Wastewater Treatment Plant

Staff:

Sweetland/Cosgrove

Recommended Action:

Adopt Resolution

REPORTS:

4. Board of Directors
5. Staff

ADJOURNMENT:

REGULAR MEETING - BOARD OF DIRECTORS

MINUTES

April 24, 2017

The Board of Directors of the North San Mateo County Sanitation District convened in a Regular Meeting on April 24, 2017, in the City Council Chamber, City Hall, 333 - 90th Street, Daly City, California.

The meeting was called to order by Chairman Glenn Sylvester at 6:45 p.m.

ROLL CALL:

Present: Buenaventura, Guingona, Manalo, Sylvester

Absent: Christensen

Staff Present: General Manager Patricia Martel, District Counsel Rose Zimmerman, Senior Management Analyst Jason Poon and Director of Water and Wastewater Resources Patrick Sweetland as Recording Secretary.

APPROVAL OF AGENDA:

Motion was made, seconded (Buenaventura/Guingona) and unanimously approved.

CONSENT AGENDA:

1. **Minutes of Regular Meeting of March 27, 2017**
2. **Sewer Service Charge Appeals – FY 2017/18**
3. **Revenue and Expenditure Summary Report – February 2017**

Motion was made, seconded (Manalo/Guingona) and unanimously carried to adopt the Consent Agenda.

NEW BUSINESS:

4. **Designation of General Manager as the Authorized Representative to Execute Proposition 1 Financial Agreement with the State Water Resources Control Board**

Director of Water & Wastewater Resources Patrick Sweetland recommended that the Board adopt resolution designating the General Manager as the District's authorized representative to execute all documents with the State Water Resources Control Board to implement award of \$10,000,000 grant in Proposition 1 funding for the Vista Grande Drainage Basin Improvement Project. The award letter dated December 20, 2016 was issued by the State Water Resources Control Board. The adoption of the draft resolution by the Board of Directors is a formal first step that initiates discussions with assigned State Board staff to secure the authorized state grant.

Motion was made, seconded (Buenaventura/Manalo) and unanimously carried on a roll call vote to adopt the Resolution No. 17-SD-05, "Authorizing Submission of Application to State Water Resources Control Board for the Storm Water Grant Program's Proposition 1 Round 1 Implementation Grant Solicitation re: Vista Grande Drainage Basin Improvement Project".

REPORTS:

5. **Board of Directors**

None.

6. **Staff**

None.

ADJOURNMENT:

Motion was made, seconded (Buenaventura/Manalo) and unanimously carried to adjourn the Regular Meeting at 6:50 p.m.



NORTH SAN MATEO COUNTY SANITATION DISTRICT

Meeting Date: May 22, 2017

Subject: Resolution of Intent to Adopt Appropriations Limitation

Recommended Action

Approve Resolution of Intent to adopt the annual Appropriations Limitation (Gann Limit).

Background

As required by Article XIII B of the State Constitution (Proposition 111 or the Gann Amendment), the Agency Board of Directors is required to adopt an annual appropriations limitation for the Fiscal Year 2017-2018. This resolution establishes the Agency's intent to adopt the appropriations limitation.

Discussion

Adoption of the Appropriations Limitation will be requested at the meeting of June 26, 2017. At that time, the Department of Finance will provide the calculations of proceeds of taxes and the appropriations limit based on our estimates for the coming fiscal year. This information will be available for public inspection in the Department of Finance beginning Friday, June 16, 2017.

Appropriate notice will be posted regarding the availability of the documentation in the Department of Finance during normal business hours.

Staff is available to provide any additional information desired by the Board members.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Lawrence Chiu".

Lawrence Chiu
Director of Finance and Administrative Services

cc: City Attorney
City Manager
NSMCSD



North San Mateo County Sanitation District

a subsidiary of the City of Daly City

Meeting Date: May 22, 2017

Subject: Authorization to Purchase Replacement for Grit Classifier at the Wastewater Treatment Plant

Recommended Action

Authorize staff to purchase a WEMCO Hydrogritter Grit Concentrator from MuniQuip, LLC, of Roseville, CA as a replacement for the Grit Classifier at the Wastewater Treatment Plant in an amount not to exceed \$170,495.00.

Background

The effective treatment of fine mesh heavy settleable solids (Grit) pumped from the primary clarifiers is a critical component at the Sanitation District's Wastewater Treatment Plant (WWTP). These heavy influent solids flow past a traveling fine screen system with six millimeter screen openings in the headworks and into the primary clarifiers where the flow is slowed and the solids settle out onto the bottom of the tank. These solids are then mechanically collected and pumped into a grit classifier in which the solids are separated, dried and conveyed into a bin for disposal at a landfill. Without a process to remove the settleable solids, the WWTP would lose available treatment capacity of its influent liquids and potentially violate the waste discharge permit.

Discussion

The existing grit classifier is beyond its useful life and requires a significant amount of maintenance and repairs. Before the end of last year, staff was informed by the manufacturer's representative that the type of unit used at the WWTP is no longer made and replacement parts are no longer available. Staff had secured some replacement parts last year, however it is expected that those parts will be used by the end of this year and staff will no longer have replacement parts.

As a result, a team comprised of Operations and Plant and Equipment Maintenance, along with engineering assistance by Carollo Engineers, researched information on other available types of grit classifiers to determine the most appropriate replacement unit. Staff solicited proposals from three manufacturers of grit classifiers, specifically from MuniQuip, Huber Technologies and Coombs-Hopkins (two types of units provided). In making its determination, staff considered the following criteria; (1) delivery time; (2) equipment compatibility; (3) operational reliability; (4) location of manufacturing facility (parts availability); and (5) cost. A scorecard of the proposals is shown below.

Unit	Delivery Time	Compatibility	Reliability	Parts Availability	Cost	Total
MuniQuip - Wemco	5	4	5	5	3	22
Huber Technologies	2	3	3	2	4	14
Coombs-Hopkins - EnviroCare	3	2	4	4	2	15
Coombs-Hopkins - Ovivo	3	2	1	5	4	15

Staff, in consultation with Carollo Engineers, relied upon the following in preparing the score card and ranking the manufacturers. The delivery time measure is based on how quickly the equipment can be built and shipped to our plant. The faster the response time the higher the score. The compatibility score involves how well the equipment matches the footprint of the existing units and a higher score means the unit matches very well, resulting in a significantly lower construction cost. The reliability score is based on the team's estimate of how well the equipment will endure the corrosive environment of a wastewater treatment plant and our knowledge of the history of this equipment at other facilities. The parts availability measure allowed the team to grade how quickly orders for equipment parts will be fulfilled. The closer the vendor's facilities are to the Districts WWTP, the higher the score. Finally, the cost measure allowed the team to score the competitiveness of the overall equipment cost.

The team chose the proposal from MuniQuip, the vendor that provides the WEMCO Hydrogritter Grit Concentrator, as providing the best and most appropriate type of equipment for the WWTP. The primary reasons the WEMCO is most appropriate are that it is compatible with the WEMCO type grit pumps that are part of the grit handling equipment, the delivery time is the least at approximately 10 to 14 weeks, and the parts warehouse is very close geographically minimizing any equipment down time. Also, the configuration of the WEMCO unit was most compatible to the existing footprint which will save us in construction costs. Staff scheduled a trip to the Oceanside WWTP in San Francisco, which has had the WEMCO units in operation for over 20 years, and after reviewing the units the team confirmed the Hydrogritter is the most appropriate to replace the grit classifiers.

Below is a table of showing the costs of each proposal:

<u>Company Name</u>	<u>Proposal Amount</u>
Coombs-Hopkins - EnviroCare	\$235,000
MuniQuip – WEMCO	\$154,220
Huber Technologies	\$142,000
Coombs-Hopkins – OVIVO	\$140,000

Staff recommends that the District accept MuniQuip-WEMCO as the most responsible proposal of this highly specialized, unique piece of equipment. Based upon Staff's criteria and scorecard, as set forth above, the overall proposal amount differentiation is insignificant given that Muni-Quip-WEMCO scored a total of 22 points, thereby matching the needs of the District in attributes that will result in overall costs reduction during the lifetime of the Grit Classifier.

Upon acceptance of staff's recommended action, delivery of the new equipment is expected within 10 to 14 weeks. The installation of the equipment under separate contract is anticipated to take four to five weeks.

Fiscal Impact

The purchase of a replacement grit classifier is not a budgeted capital project. To achieve the \$170,495 required to complete the transaction, staff is requesting the Board to appropriate \$90,495 from Sanitation Fund Balance. The remaining \$80,000 is available from actual project savings in FY 2017 from approved

capital project 87-920-844 Lift Station Bypass Structure (\$40,000) plus another \$40,000 in savings anticipated in FY 2018 by having the work performed by in-house Plant and Equipment Maintenance staff.

Staff is available to answer any questions or to provide additional information as desired by the Chair and Members of the Board of Directors.

Respectfully submitted,



Joshua Cosgrove
P&E Maintenance Manager



Patrick Sweetland
Director of Water and Wastewater Resources

Attachment (1)



MUNIQUEIP, LLC

Your Source For Water & Wastewater Equipment



DATE: 1/27/17

QUOTE #MQ17-1237-R2

TO: Daly City

ATTN: Department of Water & Wastewater Resources

RE: Wemco Hydrogritter Proposal

Dear Josh,

We thank you for your consideration and interest in our equipment. Please find the attached quotation detail for the equipment being proposed.

ITEM 1

Wemco Hydrogritter – 24" Classifiers with (1) 1500CA Cyclones & (2) 1000CA Cyclones, full flare stainless steel tank, air tight design with NEMA4X safety stop enclosure, SS single pitch spiral, Ni-hard wear shoes, 2 side and 1 center feedbox, 2HP 1800RPM PE severe duty motor with space heater, see quotation detail for additional info, as manufactured by **WEMCO**.

ITEM 1 for the price of.....	\$154,220.00
Freight.....	\$ 2,780.00
San Mateo County Sales Tax (8.75%).....	\$ 13,494.25
Total.....	\$170,494.25

Clarification/Sizing Notes:

- There are a total of 8 grit pumps. Per the customer (2) grit pumps produce 300 gpm each and the remaining (6) grit pumps produce 110 gpm each. Wemco is recommending (2) 1000CA cyclones and (1) 1500CA cyclone to handle the flow from the existing grit pumps. We recommend the following flows to optimize grit concentration:
 - Each 1000CA Cyclone will handle feed from 3 110 gpm grit pumps. Each 1000CA cyclone is designed to handle between 220 gpm and 330 gpm @ 10 psi at the inlet of the cyclone. A minimum of (2) 110 gpm pumps must be run to provide the 220 gpm inlet to the cyclone, a third 110 gpm grit pump can be introduced to each 1000CA cyclone to provide 330 gpm at the cyclone inlet.
 - The 1500CA Cyclone will handle feed from (2) 300 gpm grit pumps. The 1500CA cyclone is designed to handle 600 gpm @ 10psi at the inlet of the cyclone.
- The system modifications to alter the pump cycles and any modifications to the customer's system are not part of this quotation and have not been considered by Wemco. Our enclosed offer includes (1) 24" Hydrogritter classifier tank designed to handle a max underflow of 94 gpm, (2) 1000CA Cyclones, (1) 1500CA Cyclone and the standard Wemco cyclone support system. Any items not discussed in this proposal are not included.
- A project submittal will be provided and must be approved before production begins. Submittals typically take 4-6 weeks to compile. Equipment lead time does not begin until approved submittals have been returned and marked release to production.

NOTES:

Sales tax is not included in above pricing.

Anchor bolts & Vibration testing by others.

Freight is F.O.B. factory with freight to the jobsite included.

2024 Opportunity Drive # 130, Roseville, CA 95678, (916) 787-5641 office, (916) 787-5642 fax

www.muniquipllc.com



MUNIQUIP, LLC

Your Source For Water & Wastewater Equipment



Quotation is valid for 60 days.

This proposal is subject to the attached MuniQuip Terms & Conditions and/or the Terms and Conditions of the individual companies MuniQuip has quoted.

Best Regards,

Richard Giersch

Sales Engineer

MuniQuip, LLC

Specializing in Pumps, Process Equipment, & Instrumentation

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