



CITY OF PACIFIC GROVE
300 Forest Avenue, Pacific Grove, California 93950

AGENDA REPORT

Honorable Mayor and Members of the City Council

TO:
FROM: Councilman Rudy Fischer
MEETING DATE: September 13, 2016

Subject: Informational Item regarding valve replacement and upgrading at the MRWPCA's Pump Station Number 13 in Pacific Grove.

CEQA: This action does not constitute a "project" as defined by the California Environmental Quality Act (CEQA) guidelines section 15378.

RECOMMENDATION

Information item only.

DISCUSSION

The sewage leak that occurred last year was at Pump Station number 13 in Pacific Grove; and at that time the MRWPCA cleaned everything up; returning the station to normal use. This fiscal year the agency will start a project to replace some valves in this pump station and upgrade the supporting infrastructure to further improve pump station reliability.

This work will include:

1. Replace main header valve and the manual actuator that failed to properly close inside the pump station with a new valve and manual actuator.
2. Install a vault structure and isolation valve (a backup station isolation valve) on the forcemain just outside the pump station. The vault will house the isolation valve so that maintenance personnel can have full access to the valve for maintenance purposes. A new emergency pump around connection will be provided just downstream of this new valve.
3. Provide seismic flexibility at the forcemain discharge from the pump station structure.
4. Provide an external electrical disconnect (new meter/main) along with a new transfer switch for the pump station so that the Agency staff can shut down all electrical components at the pump station from outside the structure. The current electrical disconnect and transfer switch are located inside the pump station so staff was unable to enter the pump station to immediately disconnect the power due to the flooded drywell during the sewage spill on May 18, 2015. By locating the new meter/main outside the pump station, this will ensure that the Agency staff can

shut down all electrical components at the station and begin recovery operations without having to wait for PG&E to disconnect at their transformer.

5. Provide a portable generator receptacle so that the Agency can run one (1) pump in an emergency in the event there is a power failure at the pump station, and the permanent emergency generator located at the pump station does not start.

The above are the main tasks that will be undertaken, though the Agency will do some other work while there as well. The planning and design work will be performed by V.W. Housen & Associates; a company known for providing planning, design, optimization, and management services to municipal water and wastewater agencies. Once the contract documents are complete, the project will be advertised for competitive bid and the lowest responsive, responsible contractor will be selected.

It was also brought up that a better air scrubber system at this location may provide a more efficient and effective means of controlling odor in this public area along the Recreation Trail, as well as for the surrounding homes. While Pump Station 13 is situated on Agency property, however, it would require access to city owned property in that area to make any modifications.

This work is giving the Agency an opportunity to also review other pump stations in Pacific Grove. Some of these locations may pose future issues for the City of Pacific Grove as well as the MRWPCA. That is because many of the pump stations are located in low lying areas right along the coast, which makes them susceptible to damage during storm surges, high tides, and related flooding.

Because of sea level rise and the intensification of local storm events, it has also been noted that the Coral Street Station and others are also susceptible to operational failures during major storm events. Since the costs to move the equipment and build new facilities would be between \$1.5 and \$2 million for each location, however, building new stations is not feasible. The Agency will continue to look at other alternatives to protect the equipment in its pump stations from high tides and related flooding.

FISCAL IMPACT

None, information item only.

ATTACHMENTS

None.

Respectfully submitted,

Reviewed by,



Rudy Fischer
Councilmember

Ben Harvey
City Manager

