



# San Rafael Sanitation District

## Bayside Acres Beach Project Updates

Update No.5, November 14, 2022

### **Hello Bayside Acres Homeowners and Stakeholders:**

The Bayside Acres project is well underway. Below are the latest news and updates for you.

### **The Onsite Visits Are Underway with Each Property Owner to Review the Design and Construction Details of Their Residential Pump System**

Individual onsite visits are underway, and many have already been scheduled. If yours has not, Barbara will reach out to you soon, or you can reach out directly at [b.dabney@nute-engr.com](mailto:b.dabney@nute-engr.com).

The Design Team participating in these visits includes a representative from each area of the project., i.e., Nute Engineering (Design Engineer), Beecher Engineers, Inc. (Electrical Engineer), Miller Pacific Engineering Group (Geotechnical Engineer), SRSD Staff and additional specialists as needed.

### **The New Systems Will be Duplex (Dual Pump)**

The new residential pump systems will be duplex, meaning they will have dual pumps. If one pump fails, the other can take its place, increasing redundancy and reliability. Also, if needed, a non-working pump can be removed and repaired while the second pump remains without interruption.

### **Policy on Installing New Private Sewer Laterals and Residential Pump Systems for New ADUs and New Construction**

A number of property owners have asked about the District installing private sewer lateral and residential pump systems for future, to-be-built accessory dwelling units (ADUs) or residential home construction. Here is a summary of the District's policy:

*"...at the request of the property owner and subject to approval from the District's Board of Directors, the District will consider installing new private sewer laterals and residential pump systems for residences, including accessory dwelling units ("ADUs"), not yet constructed but with all necessary and approved building permits from the County of Marin and all other agencies to begin construction of these future residences no later than December 31, 2023. However, the District will not be responsible for the costs of the construction of new private sewer lines if such new lines are gravity lines that do not require a pump station to convey the wastewater to the new main sewer line."*

– more on the following page –

## Board Decision on Generator or Battery Backup

In response to property owners' questions about backup power, the Board asked staff at its May 20, 2022, meeting to provide additional information on options for backup power sources, costs, and liability. The Board would then decide whether the District would provide a backup power source.

A study of the costs and options for both natural gas and battery backup was undertaken by Beecher Engineering for the District. Each option has various pros and cons, and the cost is about \$15,000 for a standby natural gas generator and \$20,000 for battery backup. The natural gas generator would need annual maintenance of about \$1,000 per year, and the batteries would need replacement every five or so years at about \$5,000. Additional [details are available in the staff report](#).

### During the Board's discussion and deliberation, the following was noted:

- The sumps are designed to hold about 24 hours of flow, covering most power outages.
- The sumps can be pumped out if needed by local contracting services in the event of a very long power outage.
- The District will provide a receptacle if the homeowner wants to plug in a generator of their own.
- In addition, it was noted that these systems are designed to be highly reliable. For example, a neighbor in the Bayside community reported a couple of decades of use of his private sewer lateral and residential pump system with no maintenance or problems.

In sum, the limited benefits do not equal the very high costs, and the Board decided not to offer backup power.

## Construction Update on Main Sewer Pipelines

The new, secure main sewer pipelines are all installed in the streets, and resurfacing will occur in the coming weeks.

## For Assistance Related to SEWER MAIN CONSTRUCTION IN THE STREETS

**Call:** Tony Perez, WR Forde Associates (510) 778-0811

**Web.** [Look to the Sanitation District News website](#) for weekly construction updates.

## For Assistance, Comments, and Information about DESIGN & ENGINEERING

**Call:** (415) 453-4480

**Email:** [b.dabney@nute-engr.com](mailto:b.dabney@nute-engr.com) (Office Administrator)

**We will periodically send email updates like this one.**

**Respond to questions and comments.** Urgent issues will receive a quick response, and we will promptly acknowledge receipt of other questions and comments.

**Web.** [Look to the Bayside Project website](#) for regular project updates.