

**SEWER AUTHORITY MID-COASTSIDE**  
Staff Report

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**Subject / Title**

Ratify Purchase of Switch Gear

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**Staff Recommendation:**

None. This is an informational item only.

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**Fiscal Impact:**

\$16,593. Funds are available in the Repair / Replace Capital Account.

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**Discussion/Report:**

The plant generator is essential to power the treatment plant in the event of a power failure. The control system for switching between generator and PG&E is critical to keeping the treatment plant powered in the event that PG&E power is lost.

The current switching system is antiquated and uses many components to do what a modern Programmable Logic Controller (PLC) does internally with programming.

We have been experiencing problems with the current switching system which may decrease reliability. The manufacturer has reviewed the system and was unable to ensure 100% reliability. They did, however, state that updating the switching system will increase reliability.

Due to the critical nature of the system, staff determined that it was necessary to get the upgrade project moving by approving the expenditure prior to board approval.

Staff asks that the board ratify the repairs/upgrade to the generator switching gear control system.

There are no attachments to this staff report.