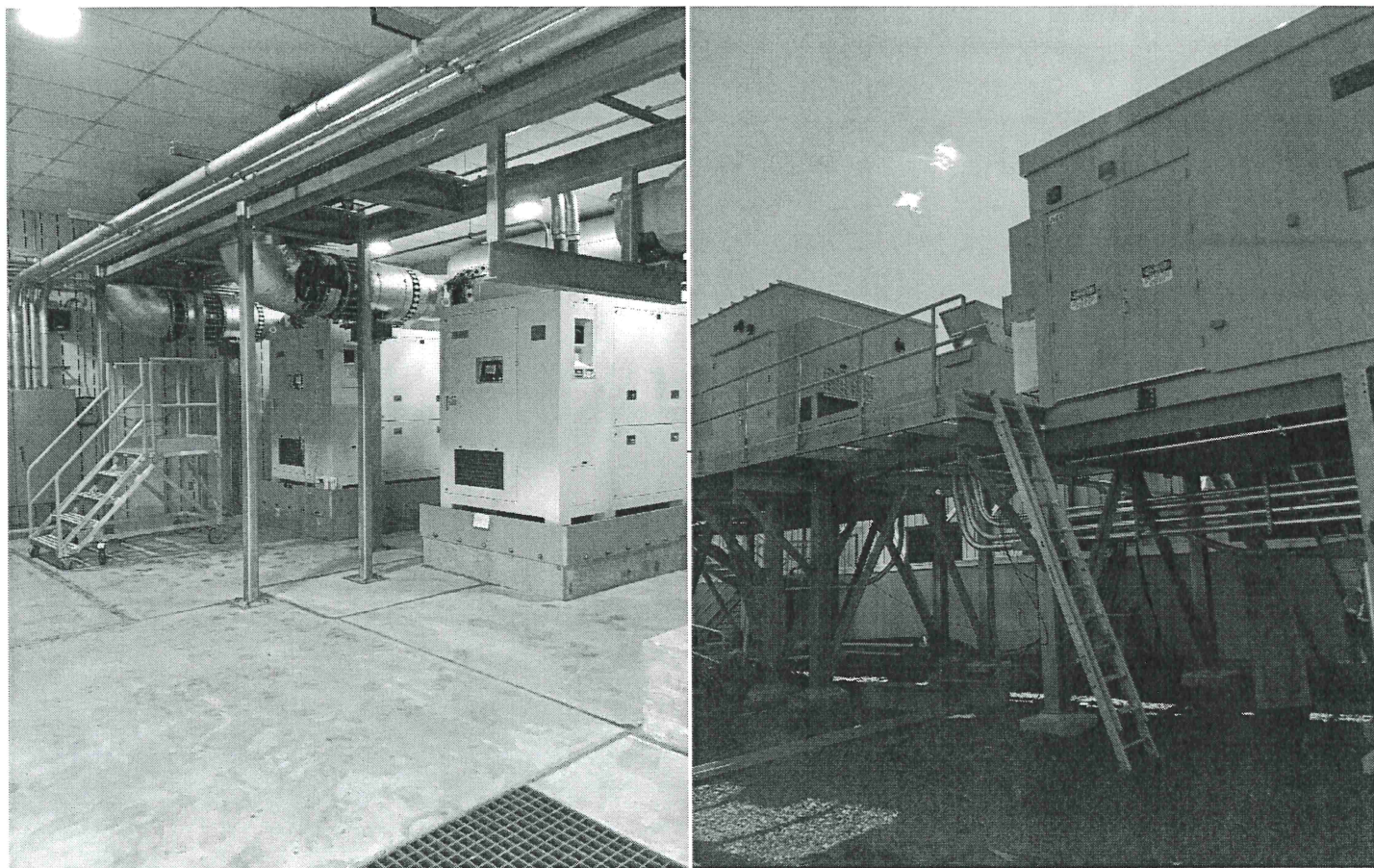


## **NJ I-Bank Project of the Week:** Bayshore Regional Sewerage Authority, Water Pollution Control Plant (WPCP) Improvements, Phase 2



**Community Receives \$3,552,163 in Water Bank Loans. Estimated Savings to ratepayers of \$689,062.**

The Bayshore Regional Sewerage Authority (BRSA) is nearly completed with sewerage treatment plant improvements that are being funded with approximately \$3.5 million in loans from the NJ Water Bank, a joint low-rate funding program of the DEP and the NJ I-Bank. Total savings for this project is estimated to be \$689,062 over the 20-year term of the loan or 19% of the total project cost. In addition, this project created an estimated 42 direct construction jobs.

The BRSA made several improvements to the Combined Blower building, including a floodwall around the building perimeter, elevating several exterior doors with removable flood panels, sump pumps and flood proofing conduits. To reduce upheaving, the flow slabs were thickened with additional concrete. A new and used turbo blower and multi stage blowers were removed from building #1 and reinstalled into the combined blower building. Blower Building #1 was converted

into a storage structure and fine bubble membrane diffusers were installed in eight aeration tanks. Electrical improvements included new switchgear, transformers, load banks, duct banks, cabling and cable trays, all enclosed by prefabricated structures. The main switchgear and Five transformers were replaced on elevated platforms with new load banks.

The combined blower building components of this project was originally short-term funded through a SAIL-2016 Note dated June 23, 2016. It was long-term funded in 2019 and included the electrical and mechanical components.

This project was developed by R3M as BRSA Consulting Engineer, designed by Hazen and Sawyer and HDR Engineering and constructed by Stone Hill Contracting and PKF Mark III, Inc.