

LONG BEACH SCHOOL DISTRICT Energy Project & Elementary School Upgrades



PROBLEM

Long Beach School District (LBSD) engaged PATH to evaluate its existing energy profile and identify possible efficiency solutions. District administration desired a project that could generate sufficient savings for not only an energy upgrade program, but also additional deferred maintenance LBSD needed to tackle in the immediate future.



BUILDING DETAILS

- Six buildings - five schools & one admin. building
- ~480,000 sq/ft of interior building space

List of Improvements

- Comprehensive interior/exterior LED lighting upgrade
- HVAC controls/Retro-Commissioning
- Plug-Load management
- Energy efficient windows & doors (two schools)



SOLUTION

PATH analyzed, audited, and designed an energy project that included comprehensive upgrades to LBSD's lighting, HVAC controls, and load management infrastructure. These energy efficient measures implemented by PATH created substantial savings for LBSD, thereby creating the ability to install efficient, hurricane-rated windows and doors. The two elementary schools selected for the windows and door upgrades received a much needed aesthetic upgrade in addition to a solution providing safety and security during the annual storm season on the Mississippi Gulf Coast.



FINANCIAL DETAILS

- LBSD pre-project annual energy budget: \$533,662
- Annual post-project energy savings: \$135,562
- Annual post-project operational savings: \$17,259
- Overall project cost: \$3.3M
- Additional CapEx project (windows & doors) leveraged with annual savings generated from energy project

BEFORE



AFTER



"They were able to address any concerns our administrative staff presented. Russ and Nathan attended multiple meetings here on the coast to assure myself and the board that the savings from the project were deliverable and that the entirety of the project would be handled professionally."

Jay Smith
Superintendent
Long Beach School District