

2024 ENERGIZING EFFICIENCY CASE STUDY

Virginia Beach Department of Parks and Recreation Administration Building

OVERVIEW

In response to the growing needs of its Department of Parks and Recreation, the City of Virginia Beach commissioned a new 26,823 SF administration building, complemented by a 5,000 SF storage facility. Strategically located to optimize surrounding sightlines and integrate with the park setting, the building was designed with sustainability and energy efficiency at its core. The project achieved USGBC LEED Certification in April 2020, featuring advanced mechanical, electrical, and plumbing systems.



THE OUTCOME

With a focus on energy efficiency, the building exceeded energy code minimums, achieving a 20.81% energy reduction and a 32% reduction in potable water use compared to baseline levels, resulting in \$10,000 in annual energy savings.

The design prioritizes both environmental sustainability and occupant well-being, with natural daylight flooding interior spaces and providing views to the outdoors. The layout encourages movement between indoor and outdoor areas, fostering a healthy work environment. Additionally, the building's acoustic performance was enhanced to mitigate jet noise from the nearby Naval Air Station, using advanced insulation and a low-slope roof system designed to dampen sound.

The **Virginia Energy Efficiency Council**, a member-based 501c3, launched the Energizing Efficiency Campaign in 2023 to further the mission of advancing EE across the state by showcasing incredible work being done in our communities and inspiring others to act. Learn more at [VAEEC.org/Energizing-Efficiency-Campaign](https://www.vaeec.org/Energizing-Efficiency-Campaign).

