



School energy storage st john s

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Recognizing that energy efficiency and conservation is in the best interest of the St. Johns County School District and the students we serve, the Board adopted an Energy Management Program (EMP) in September 2008 to control and optimize the cost and consumption of energy and energy related products for all of our facilities.

The St. Johns County School District's building footprint has been steadily expanding since the implementation of the EMP. In 2008 the SJCS D gross facility footprint was 4,977,748 SF (according to Florida Department of Education Annual Energy Reports). By the end of FY 2020, the District's facility footprint went up by over 35% to 6,746,702 SF.

Additionally, student population throughout our District has been growing steadily and consistent with the growth trends throughout St. Johns County. In 2008, the St Johns County School District served 28,282 students. By the end of 2020, the student count went up by almost 50% to 42,278 students.

Graphs are generated with Information/data obtained from the Florida Department of Education website (except projected energy cost). Annual Energy Reports can be viewed and downloaded from the Annual Energy and Maintenance & Operations Reports page.

The St. Johns County School District (SJCS D) distributes information about its energy incentives through its public dashboard, which has earned it the "Best Public Dashboard" award in EnergyCAP's 2023 Eco Champion Awards.

In September 2008, the School Board adopted an innovative Energy Management Program (EMP) to control and optimize the cost and consumption of energy and related products across all district facilities.

Since the inception of the EMP, the footprint of SJCS D's facilities has expanded significantly; the district's gross facility footprint grew by over 35% from 4,977,748 square feet in 2008 to 6,746,702 square feet by the end of FY 2020. Despite this growth, the district has demonstrated remarkable efficiency improvements and cost savings through its energy management strategies and has publicized the data through its EnergyCAP Public Dashboard.

The SJCS D's efforts are highlighted through comprehensive dashboards that track energy, water, sewer usage and costs across more than 40 school sites and over 180 accounts. While natural gas utility bills are currently tracked outside of the Energy Management Program, the district is actively working to integrate all commodities into its energy management system.

St. John's College in Santa Fe, New Mexico announced it has partnered with Ameresco to undergo a



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comprehensive solar and energy efficiency upgrade. The campus-wide project is expected to save the college over \$100,000 annually.

The multi-phase renovation will include the installation of a 1,670-panel solar project, as well as 20 electric vehicle charging stations in four locations. The solar array will be grid connected, linking the college's solar production to the local utility grid, enabling it to store and utilize power as needed.

The updates are expected to help the college reduce its carbon footprint by 858 metric tons, equivalent to the emissions of nearly 100,000 gallons of gasoline burned or the electricity demand of 167 homes.

"Together, we've been able to identify areas of improvement that will have a long-lasting impact and help the college generate significant energy and cost savings, making room for funding allocations elsewhere," said Bob Georgeoff, executive vice president, Ameresco.

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