

2016 INNOVATIVE IDEAS/MAJOR ACCOMPLISHMENTS
Facility Planning and Real Estate Department

NO.	INNOVATIVE IDEAS/MAJOR ACCOMPLISHMENTS	BRIEF DESCRIPTION	DATE IMPLEMENTED	BENEFIT TO DISTRICT
1	Implementation of the Event Management System	<p>The Event Management System (EMS) is an online tool that provides a fully interactive, real-time access to meetings and event information via the internet. The system allows authorized District customers or a potential lessee to use a standard internet browser through a secure user friendly interface to view event schedules, browse District facilities, search for spaces that could be available for rent at school facilities, and request a reservation. The EMS has query capabilities and the ability to enable the retrieval of critical data, generate customized reports based on the queries, offer a comprehensive reporting capability that could be utilized for auditing purposes, data collection such as revenues collected from the rental of school facilities, and space utilized/rented.</p>		<p>Implementation and utilization of the EMS to enable the rental of School District facilities aligns with the "Continuous Improvement" goal of the School Board's Strategic Plan, which has allowed the District to move from a paper based and cumbersome application/rental process to an electronic and user friendly system. Additionally, one that allows for the District-wide comprehensive implementation of the provisions of School Board Policy 1341, consistency amongst schools in the leasing of the District's school facilities, the correct and uniform application/collection of the fees regarding the facilities, the ability for the District to ascertain revenues derived from the leasing of school facilities, and the ability for the District to gather critical data regarding the utilization/leasing of school facilities. Since implementation of the EMS, the District has realized a seven percent (7%) Return on Investment based on facility rental fees only.</p>
2	Acquisition and Introduction of the Building Information Modeling into the School District	<p>Building Information Modeling (BIM) is an intelligent model-based design process that adds value across the entire lifecycle of building and infrastructure projects. BIM helps architecture, engineering, and construction (AEC) service providers apply the same approach to building and infrastructure projects. Unlike Computer Aided Drafting (CAD), which uses software tools to generate digital two-dimensional (2D), BIM facilitates a new way of working, by creating designs with intelligent objects. Data remains consistent, coordinated, and more accurate for all users regardless of changes over time. The acquisition of BIM was initially pursued by the Department to enable the Department to conduct a more comprehensive, cost effective, and time saving space planning processes regarding pertinent District administrative sites. In the quest, the Department discovered that BIM would serve and add value to the space planning processes and benefit other District departments. This accomplishment pertains to the second phase of the Facility Planning & Real Estate (FP&RE) Department's lead and pursuit to ensure that the District acquires and implements BIM District-wide. Based on this successful second phase, pertinent staff in the FP&RE Department have successfully been trained on the utilization of BIM, and are now preparing sample model drawings of selected District facilities for use in the conversion of all District (schools and administrative) facilities CAD drawings into BIM format.</p>		<p>The eventual conversion of all District facilities CAD drawings into BIM format would translate into the fact that all such drawings would be in 3D rather than the current 2D format with the added benefit of linked attribute data. Having drawings in such format would also allow agencies such as Broward County/municipal fire and police departments with BIM capabilities having in their possession 3D rather than 2D format CAD drawings which would enhance their utilization of the drawings for fire safety and law enforcement purposes. Based on the best available information, Broward County School District is the only K-12 School District in the State of Florida that is currently using BIM and has its drawings regarding its facilities in BIM format.</p>