

**Building A Better Plan!**  
**An Interactive School Planning Jam Session**  
**Prepare your Emergency Plan, Assess Risk & Analyze Life-cycle Cost**

SQUARE FOOT & CONSTRUCTION BUDGET are long outdated metrics in planning school campuses. Programming schools has changed from offices and classrooms to learning environments, sustainability, healthy indoor air quality, energy efficiency and school safety. Making sure you have the right plan in place is critical knowing all the risks schools face in today's world. We will dive into emergency management plans, assessing risk and how lifecycle cost analysis has overtaken these metrics over the past few decades to make important planning decisions. Program Managers utilize this data to inform new projects using lifecycle cost assessment. New metrics are emerging that prepare a school district for risks, both natural and man-made. This presentation introduces new metrics based on standards established by Federal Emergency Management Agency. The session would divide attendees into 4 groups and conduct four sequential workshops:

**1. Emergency Management Plan & New Space Program**

An Emergency Management Plan can be an incredible communications tool that brings many different team members to the table to plan around the safety of our children and community. Emergency planning brings important discussions to the table well before they're needed and creates planned responses to natural and man-made hazards in an organized format. Based on the highest risk to school, each group would be asked to rethink their Space Program based on their emergency management plan and risk assessment. For instance, a Gym may be desired for use as an emergency shelter; or special lighting controls may be implemented for temporary close-down procedures.

**2. Risk Assessment for School District**

Each group would be given a different situation and asked to assess risk to their school district. Some of these risks may include floods, tornadoes, technological emergency or active shooter. Various data sources and tools would be discussed to conduct a risk assessment.

**3. Estimation of Lifecycle Cost for a School**

An enhanced lifecycle cost assessment method would be discussed that reduces costs while increasing value of District's Bonds. Using the tools provided, each group would understand the lifecycle cost impact for their school project.

The presentation intends to further reinforce the approach of lifecycle cost analysis that is already being used by school districts. Also, it would highlight the necessary role that third-party program management and consultants play in planning a new school.

**Learning Objectives:**

1. Participants would understand the basic tenets of an emergency management plan and how risk assessment informs it.
2. Participants would review various natural and man-made risk elements that apply to school districts and understand what risk assessment means for school districts.
3. Participants would learn first-hand how risk assessment done during program development of a school affects lifecycle-costs leading to savings for school districts.
4. Through interactive exercises, participants would learn how different schools assign costs for space programs, and how lifecycle-cost analysis is a more powerful tool instead of first-cost analysis.