



Unlock the Full Potential of Your School Facilities

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The “Why” of School Plant Management

Why it is important:

- Safety: It keeps kids safe from hazards like bad roofs or broken stairs.
- Health: Clean air and good lighting help students feel better and pay attention.
- Cost: Fixing small problems early saves money. This stops big, expensive repairs later.
 - It protects public money by making buildings last longer.
- Create a safe, healthy, and inviting space where teaching and learning can happen at their best.



The “Why” of School Plant Management

- **Numerous studies highlighting the importance of comfortable, safe, and secure working/learning areas for students and staff.**
- **“The Impact of Student Facilities on Student Learning and Engagement,” a 2021 study by the University of Oregon School of Architect and Environment.**



Findings from this “Study of Studies”

- Studies show a direct correlation between building conditions and student performance.
- Studies have associated building disrepair with student performance and absenteeism.
- One study found that school facility conditions predicted student attendance better than other factors such as teacher quality, school size, and socioeconomic status.



Texas School Board Association - 2024

The data shows a clear connection between maintenance and student attendance and achievement. Schools without major maintenance backlogs have a higher average daily attendance of 4 to 5 students per 1,000 on average. They also have an annual dropout rate that's lower by 10 to 13 students per 1,000. And test scores improve, too, as building conditions improve. Studies show test scores can go up by 3 to 17 percent.



ASPMA - Certified Facility Director Program

- **In 2011, ASPMA reached out to the Division of Academic Facilities and Transportation and AAEA for guidance in developing a program of professional training for school plant managers.**
- **In collaboration, the Division and AAEA reviewed existing programs in other states and develop a framework of classes to present to the ASPMA board for their consideration.**



ASPMA - Certified Facility Director Program

- **The first CFD classes were offered in the spring of 2012.**
- **At the same time, the ASPMA board voted to affiliate with AAEA.**



Certified Facility Director Program Goals

- To improve building operations, eliminate unnecessary costs, and enhance teaching & learning environments.
- To equip district facilities team with the knowledge and expertise to maximize building efficiency & lifespan, ensure safety & regulatory compliance, and strategically plan & optimize resources.



CFD Classes - Upcoming in September

- CMMS101 - Computerized Maintenance Management System (OperationsHero) Maintenance Direct - An overview/update of OperationsHero Maintenance Direct including set-up, installation of buildings, work orders, coding, tracking, and completion.
- CMMS102 - Computerized Maintenance Management System (OperationsHero) Preventive Maintenance Direct - An overview/update of OperationsHero Preventive Maintenance Direct including creating PM schedules, coding, tracking, completion, and state mandated inspections.



CFD Classes - Upcoming in September

- **BBS208 - Basics of Electricity** - NFPA 70E - NFPA 70E is the standard for Electrical Safety in the Workplace. It provides actionable guidelines to protect workers from shock, electrocution, arc flash, and arc blast by dictating safe work practices, risk assessments, and proper PPE requirements.
- **BBS207 - Basics of Plumbing** - Plumbing troubleshooting and best practices. Tips on what a plumbing preventive maintenance program should look like and ways to reduce the need for expensive plumbing repairs



CFD Required Courses (10)

- Introduction to Human Resources
- Purchasing and Supply Management
- Introduction to Plant Operations and Facilities Management
- Introduction to Risk Management
- Basics of Building Systems - Active Building Systems
- Basics of Building Systems - Passive Building Systems
- Introduction to Custodial Services
- State and Federal Safety Codes and Hazard Recognition
- Computerized Maintenance Management System - Maintenance Direct
- Computerized Maintenance Management System - Preventive Maintenance Direct



CFD Elective Courses (5 required)

- **Basic HVAC Maintenance, Troubleshooting, Operations, and Controls**
- **Sidewalk/Parking Lot Construction/Maintenance and ADA Accessibility Compliance**
- **Basics of Building Systems - Maximizing Roof Performance: Understanding Issues, Maintenance, and Solutions**
- **Basics of Energy Management**
- **Building and Grounds Security**
- **Playground Safety/Environmental Health & Safety**
- **Budgeting for Facilities Custodial and Maintenance**
- **Plant tours - Lennox, Trane, Virco, etc.**



CFD Instructors

- ASPMA Members - Practitioners
- Arkansas Department of Labor staff
- Division of Academic Facilities and Transportation staff
- ASPMA Partners
 - Contractors, architects, engineers
 - Licensed plumbers
 - Roofing companies
- School business officials

What's New?

- New School Plant Manager Mentoring Program
 - Purpose: A mentoring program accelerates the learning curve for new Arkansas school plant managers/maintenance supervisors and prevents costly operational mistakes. It connects novices with seasoned leaders to transfer critical institutional/industry knowledge and assists new plant managers make informed decisions regarding facility maintenance.
- New School Plant Managers Checklist





What's New?

The core purposes of the mentoring program for new school plant managers include:

- **Knowledge Transfer**: Sharing past experiences to assist new plant managers in their first year on the job. Introduce the New School Plant Managers Checklist as a reference tool to guide them through the first year.
- **Compliance and Safety**: Helping new managers understand local and state building codes, fire safety regulations, required inspections, and aspects of Operations HERO.
- **Staff Management**: Sharing effective strategies for supervising custodians, maintenance crews, and groundskeepers.
- **Bid and Procurement Laws**: Providing guidance on interpreting district needs and planning accordingly, bidding for capital improvement projects, and ordering supplies efficiently.
- **Crisis and Event Management**: Preparing new managers to handle emergency protocols (e.g., HVAC failures, severe weather, lockdowns) and coordination with local first responders.

“First Impressions”







Good





Not So Good







Once again, the “Why?”

Comfortable, safe, and secure facilities are the foundation of student learning. If students do not feel secure, their brains focus on survival instead of academics. Quality buildings boost test scores, improve daily attendance, and help teachers focus on lessons rather than discipline.



SCHOOL'S OPEN!

DRIVE CAREFULLY AND WATCH OUT FOR KIDS



Questions??

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