The Key to the Castle, Who has it and do they know where the lock is?

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NESEA
Agenda

Why it matters
Intentions
National Standards
Training
Staffing & budget
Resources
What is the MFAA?

• Not for profit professional organization supporting municipal and public K-12 school facilities directors throughout MA

• We help facilities professionals provide safer and healthier buildings for our kids…. What a life!!!
Northeast Energy Efficiency Partnerships

- Long-term shared goal
  - To assist the Northeast and Mid-Atlantic region in reducing carbon emissions 80% by 2050 (relative to 2001)

- Mission
  - Accelerate energy efficiency as an essential part of demand-side solutions that enable a sustainable regional energy system

- Vision
  - That the region embraces next generation energy efficiency as a core strategy to meet energy needs in a carbon-constrained world

- Approach
  - Overcome barriers and transform markets through Collaboration, Education, and Enterprise
About NEEP
A Regional Energy Efficiency Organization

One of six REEOs funded in-part by U.S. DOE to support state and local efficiency policies and programs.
Does it matter?
# The Increased Scope of Education Facility Management

*Education Facility Managers are so over programmed that a complete program is rarely delivered*

## 70's, 80's, 90's, 00's & Now

### 40's, 50's & 60's

1. Custodial operations  
2. Maintenance operations  
3. Grounds operations  
4. Electrical / gas utility  
5. Pest control (in-house)  
6. Playground equipment  
7. Roofs  
8. Safety – general  
9. School closings  
10. Vandalism

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10. Vandalism  
11. Mold management  
12. Asbestos (AHERA)  
13. Carbon Dioxide testing  
14. Lead in water  
15. Natural gas volume purchasing  
16. Electrical volume purchasing  
17. CAD  
18. CMMS with preventive maintenance  
19. Electromagnetic emissions  
20. Emergency / disaster plans  
21. Energy management systems  
22. Energy education  
23. Data based custodial schedules  
24. Rentals, community usage  
25. ADA  
27. Indoor Air Quality  
28. Lead in paint  
29. Integrated Pest Management  
30. Privatized custodial  
31. Purchased services management  
32. Protective equipment & clothing  
33. Radon Management  
34. Recycle waste program  
35. Re-locatable classrooms  
36. Right to Know Act  
37. Underground storage tanks  
38. Computerization – technology support  
39. Blood borne pathogens  
40. Budget planning  
41. Labor law issues  
42. OSHA Logging & training  
43. Custodial equipment management  
44. Quality Assurance program  
45. Hazardous Waste Removal  
46. Emergency Backpacks  
47. Building Backpack Supply  
48. Defibrillator maintenance  
49. Defibrillator training  
50. Security systems  
51. Green chemical management  
52. Carbon footprint issues  
53. Sustainability program  
54. Life/Safety Planning  
55. Playground management  
56. Expanded athletic programs  
57. Swimming pool maintenance  
58. Indoor track & field  
59. Fertilization & weed control  
60. Artificial athletic fields

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Facility programs have increased dramatically but many institutions have smaller leadership teams.
Why it also matters....
Best intentions....

- Design philosophy
- Being active member of design or project team
- **Demanding delivery of what you need for successful operation**
- Design to maintain
- Sustainable

*Three mayors, five superintendents, 30 city councilors, 20 School Committee members, 50 School Building Needs Commission members, three state treasurers, and three directors of the MSBA involved in building a new high school over the last decade*

“What has it taken to get here? Blood, sweat, and tears”

Building Needs Commission Chairwoman Kathleen Amuso
Expectations

Existing Buildings
CORPORATE DILEMMA

WHAT IF WE TRAIN THEM AND THEY LEAVE?

WHAT IF WE DON'T... AND THEY STAY?

INVESTING IN EMPLOYEES
Setting the standard

National Accreditation

Reduce the confusion and uncertainty around workforce credentialing; lower costs; and support better credentials

BETTER WORKERS AND BETTER BUILDINGS.
How much?
How Often?
Who needs it?
Outsource?
What if you don’t train them?
Sharon MS moisture problem Video

https://www.youtube.com/watch?v=ERrztesGOMY
Staffing and budget considerations?

- How big is the building?
- No fixed formula
- Finishes used
- Expectations for operations
- Filters how often to change
• Energy Codes
• O&M
• Benchmarking
• Data Access
• NE CHPS (High Performance Schools)
• Zero Energy
• Multifamily
• Streetlighting
• Exemplars
• Green Real Estate
• And more!
Why it matters
Best of intentions
National Standards
What happens when you don’t train?
How much Training is needed?
Staffing and budget considerations
Resources
Feedback

- Presentation
- NESEA Conference
- What do you know to know more about?