

APPA Standards and Codes Council Presents

Education Facilities Insight: Fixing Your Gaps in Catastrophe Readiness



Learning Credits for this webinar

- Continuing Education Credits available for this webinar:
 - .1 CEU
 - 1 PDH
 - 1 LU
 - 5 APPA units
 - 1 AIA LU
- In order to be eligible for credits you must attend at least 45 minutes of the presentation.



APPA Standards and Codes Council



Brooks Baker, chair, ret., University of Alabama, Birmingham - SRAPPA



Clint Lord, Arizona State University - RMA



Dana, retired, University of New Hampshire - ERAPPA



David Handwork, AVP, Arkansas State University - CAPP



Rich Davis, retired, Evergreen State University - PCAPPA



Alan Sactor, CFPS, University of Maryland - ERAPPA



Ted Weidner, Professor, Purdue University - MAPPA

APPA Standards and Codes Council

OPENNESS - COLLABORATION - TRUST

- APPA's standards and codes activities rest on three core principles, tied to APPA's strategic vision and grounded in its mission and purpose.
- Council established in July 2012 by APPA.
- Serves as a permanent Council, reporting to the APPA Board of Directors.
- Standards and Codes work can be found at <http://www.appa.org/standards.cfm>



The Council Mission



Promote codes and standards awareness among member institutions.

Determine impacts of existing codes and proposed standards.

Influence codes and standards development and outcomes.

Display APPA's Leadership in standards and codes, seek pragmatic solutions.

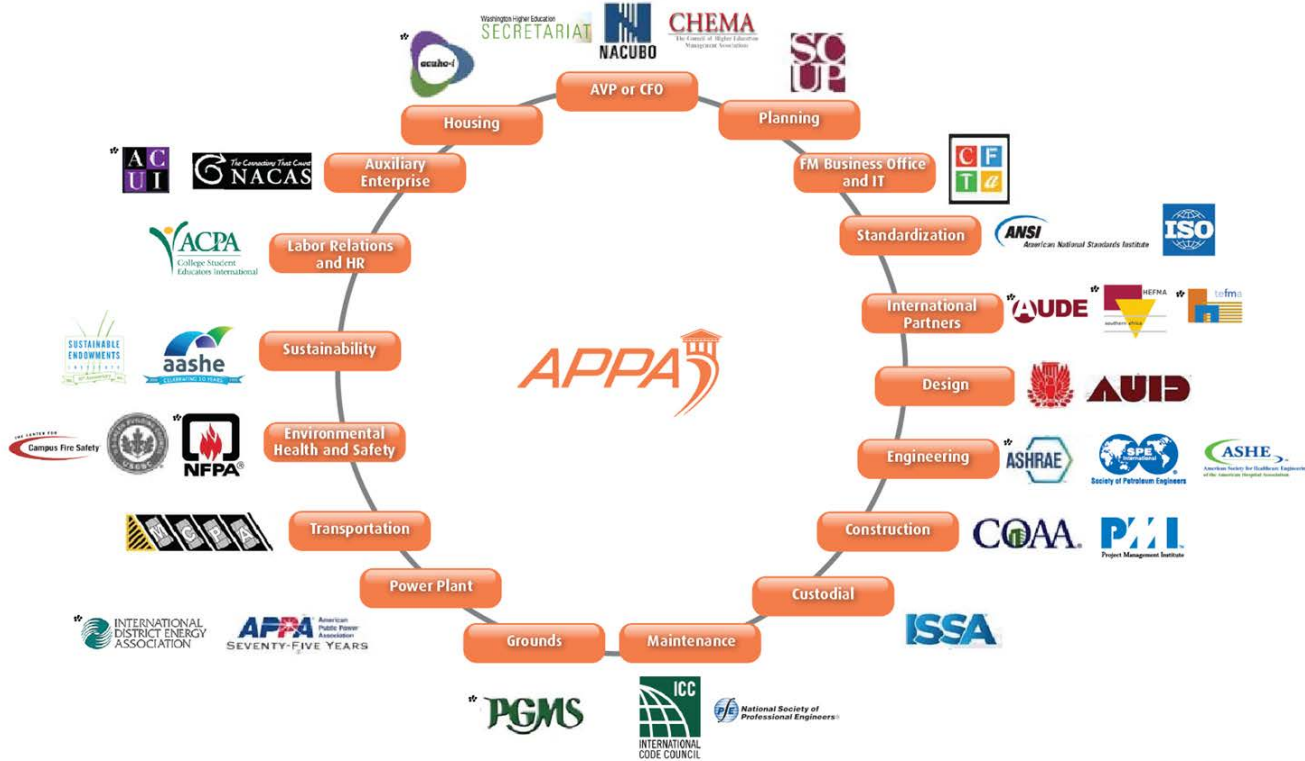
Identify broad consensus among APPA members on standards and codes issues, seek appropriate representation within standards bodies.



Examples of Standards/Codes Setting Bodies Where The Council is Most Actively Engaged



COLLABORATION



*MOUs or Strategic Alliance Agreements in Place.

2017 Facilities Insights

Fixing Your Gaps In Catastrophe Readiness



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Guest Speaker



David Trask

National Director of Facilities Solutions

ARC Technology Solutions, a unit of ARC Document Solutions (NYSE: ARC)

David Trask is a notable guest speaker at facilities conferences and associations across North America, including IFMA, NFMT, ASHE, AIIM, Construct Canada. His focus is on helping organizations better manage their building facility information through technology to improve efficiency and drive productivity. Trask consults healthcare, municipalities, K-12 school districts, universities, federal agencies, retail and private owner groups with modern, proven strategies and best practices.



3 Reasons Catastrophe Readiness is Important

Safety

Cost

Efficiency

 eBook

Delivering the priorities and opinions of AIIM's 193,000 community

❖

INFORMATION MANAGEMENT FOR FACILITIES AND OPERATIONS:

Knowing your gaps
is key to catastrophe
preparedness

In Partnership with



About the Survey & Analysis

The eBook shares new insights extracted from a survey conducted in August 2017 by AIIM to their 190K+ global community of facilities and operations professionals.

Analysis of the survey was provided by Bob Larrivee, Vice President and Chief Analyst of *AIIM Market Intelligence*, who has 30+ years experience in information and process management.



Frequency & Costs of Catastrophes

The average facilities team faces a catastrophe every 2 years.

- The catastrophe frequency based on the number of buildings managed is:
 - >20 buildings = every 1.7 years
 - 11-20 buildings = every 2.2 years
 - 1-10 buildings = every 3.1 years

Types of Catastrophes Examined & Costs Incurred

Types of Catastrophes in past 10 years	# of buildings owned/managed			Average Cost /Catastrophe
	1-20	>20	Overall	
Power Equipment Failure (Breakers, Boiler, HVAC, etc.)	57%	61%	59%	\$372,754
Water (Floods, Tsunamis, etc.)	42%	66%	55%	\$599,130
Wind related (Hurricanes, Tornadoes, etc.)	27%	43%	36%	\$634,302
Human incurred (Vandalism, etc.)	19%	43%	33%	\$208,214
Medical (Accidents, Health, Violence, Materials, etc.)	14%	35%	26%	\$347,322
Fires	5%	40%	25%	\$806,205
Gas/Electrical (Gas leaks, Explosions, HazMat, etc.)	8%	23%	16%	\$481,621
Safety (Active Shooter, Lockdown, Hostage, Bomb Threat, etc.)	1%	9%	6%	\$384,354
Earthquakes and Avalanche	4%	2%	3%	\$742,272

Weighted Average Cost/Catastrophe -->

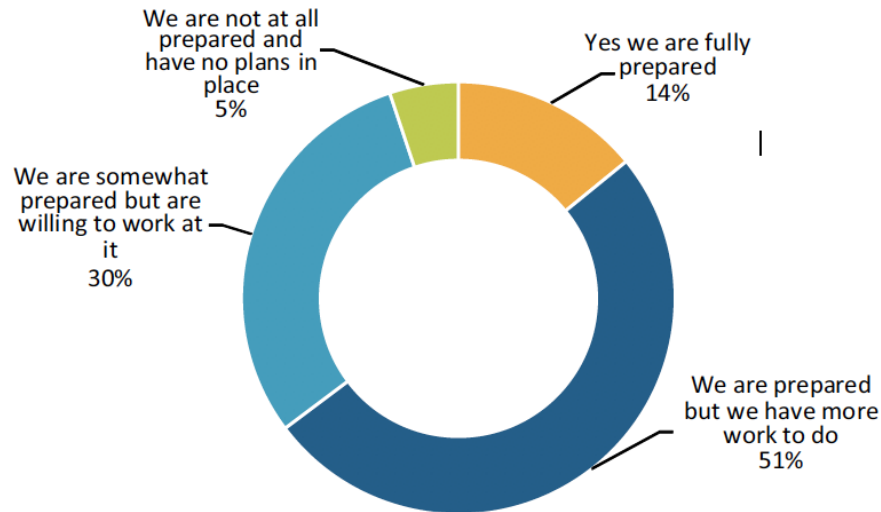
\$506,906



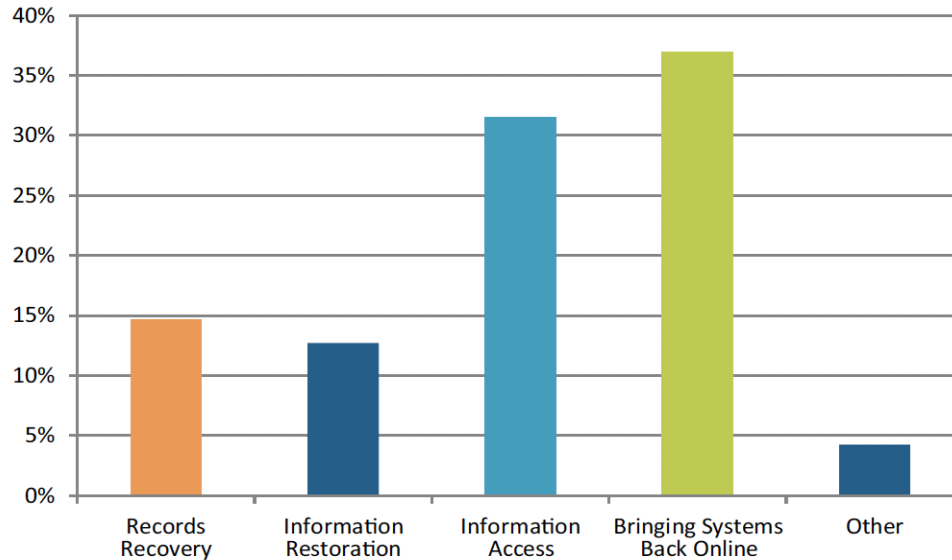
How Prepared Are Facilities Teams?

Only 14% Are Fully Prepared

Figure 6. In your opinion, is the workforce in your company prepared for disaster when related to your Facilities, Operations, and Engineering information?



What is the biggest information management challenge when facing a catastrophe?



Facility Information Chaos

Facility Info Chaos—By the Numbers

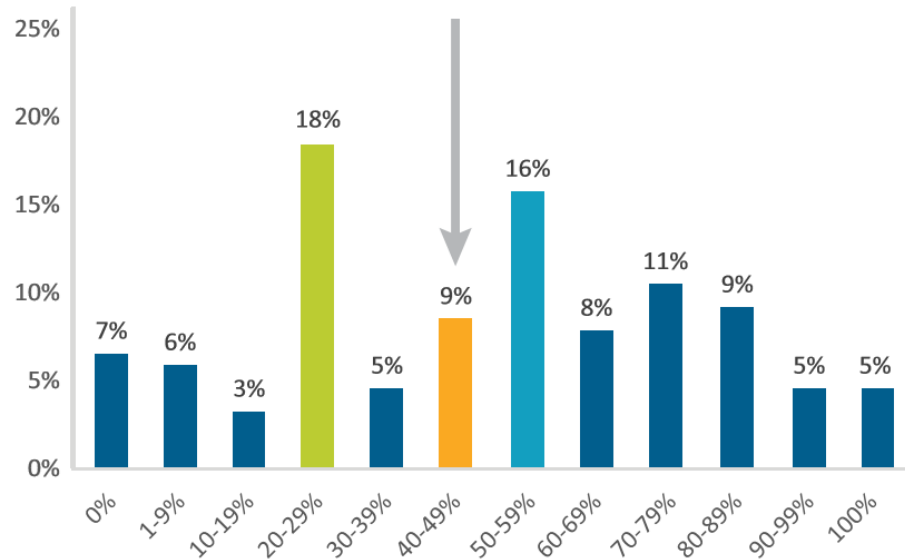
Most facilities teams – 71% – do not have their policies in the cloud

Just 15% feel as though the information they need to respond to emergencies is ready for an emergency

Only 14% have their emergency policies available on a mobile device

Less Than 1/2 of Facilities Info is Stored Digitally

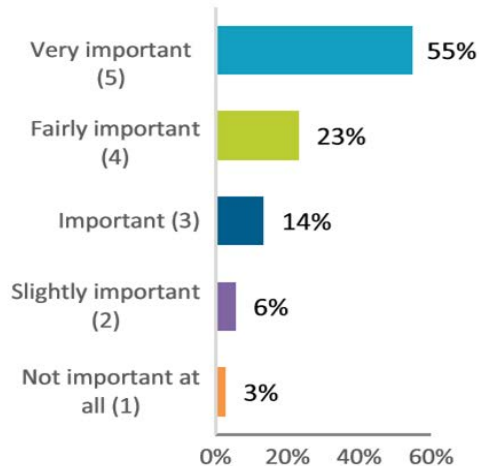
Figure 9. Approximately how much of your organization's important facilities information (Plans, Specs, TIs, O&Ms, Warranties) is stored digitally?



Weighted average = 46%

Access to Current As-Builts

How important is having current As-Builts for all your buildings for the productivity of your facilities staff?
(1=not important at all/5 = very important)

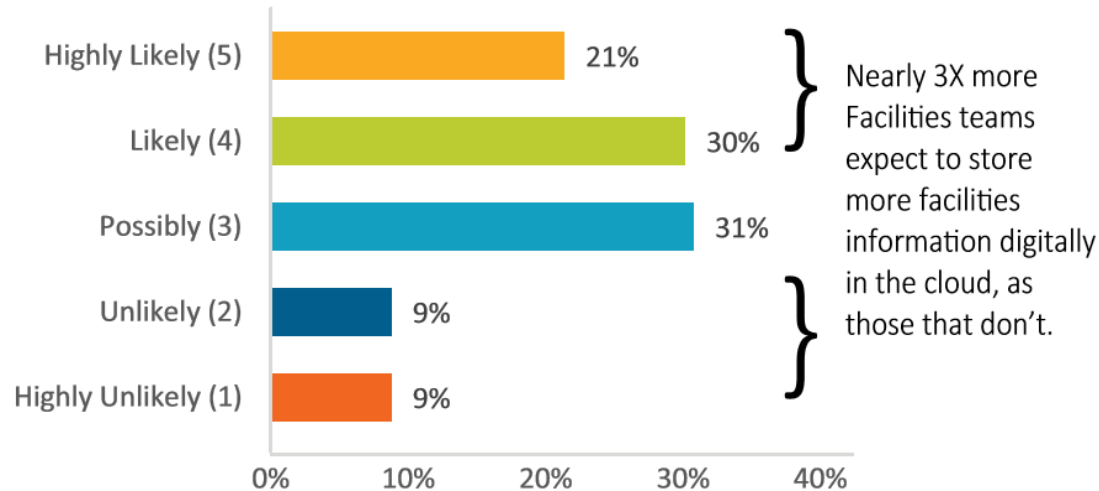


Majority says it's very important to have access to current as-builts

But few actually have access to them!

Moving Information to the Cloud

Figure 10. Over the next 2 to 5 years, how likely is it that your organization will store significantly more of its facilities information digitally in the cloud?



Maintenance, Productivity & Succession Planning

The average facility team misses preventive maintenance **at least 6X per month.**

On average, \$81,000 is wasted annually on repairs for equipment under warranty.

The average facilities team is incurring
50 hours of overtime per month...

which amounts to
\$50,000 per year
in overtime costs.

Time Spent Searching by # of Buildings

Figure 7. Please estimate how many hours per day the typical person on your Facilities team spends searching for or waiting for building information? (e.g. floor plans, shutoffs, permits, warranties, etc.)

Number of Buildings	Minutes Spent Per Day, Per Person
1-10	47
11-50	47
51-100	30
101-250	52
250+	45
Total	47

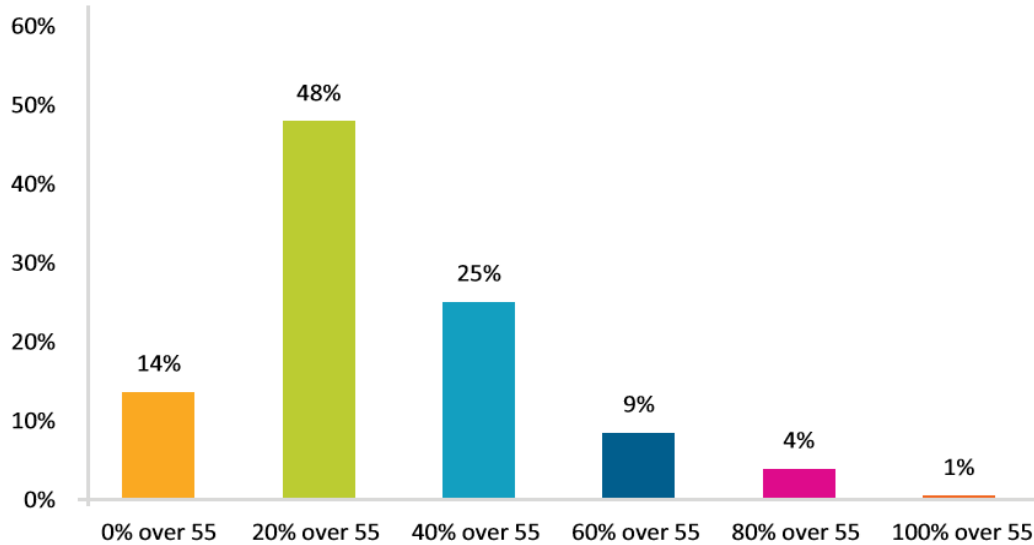
Weighted Average = 47 Minutes

Facilities teams spend 47 minutes per day—or **15.6 hours per month**—searching for documents.

Take back 47 minutes per day and
reduce overtime costs by 31%

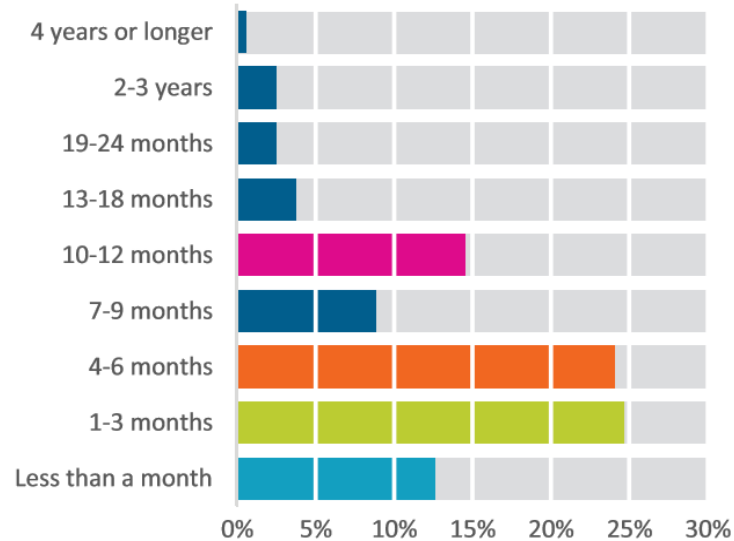
29% Are 55 Years or Older

Figure 11. Retiring workers is a challenge facing nearly every facilities team. On average, 29% of Facilities Team workers are 55 years or older.



How long does it take to onramp a new hire?

Figure 12. How long does it take to train new Facilities/OPS/Engineering staff before they are fully productive?



Moving Forward - Best Practices

- Digital, in the cloud & organized
- Mobile accessible
- Team enabled collaboration
- Accessible emergency plans
- Maintanenced equipment
- Fast response
- Prepared for any situation

Live Demo

Thank You!

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