



# Building a Safer Future: NFPA and MCAA Join Forces for Electrical Safety



National Fire Protection Association







## **Introduction to NFPA**

Founded in 1896 (127 years)

Global Non-Profit Organization (Self-Funded)

Develops consensus-based codes and standards

Conducts research, training, and education



### **Mike Gillette**

NFPA Global Business Solutions TSM – USA



## Building a Safer Future: NFPA and MCAA Join Forces for Electrical Safety







# IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER:

# **Never Compromise**





# **Initial Benefits**



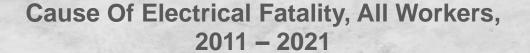
This arrangement between NFPA and MCAA is designed to help members:

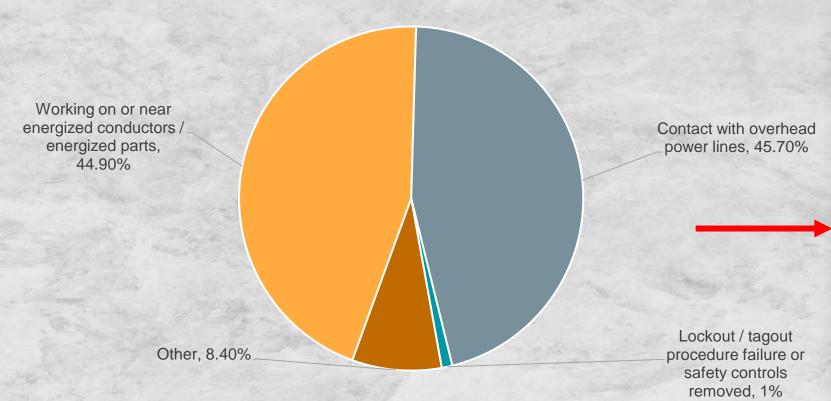
- Most importantly, <u>keep their employees safe</u>
   from an electrical safety perspective
- Avoid costly OSHA citations



# **Employee Exposure**







| Occupation   | Fatalities |
|--|------------|
| Electricians   | 182        |
| Laborers, except construction                          | 121        |
| Construction laborers                                  | 108        |
| Electrical power installers & repairers                | 102        |
| Occupations not reported                               | 70         |
| Tree trimming occupations                              | 64         |
| Electricians' apprentices                              | 39         |
| Heating, air conditioning, and refrigeration mechanics | 34         |
| Painters, construction and maintenance                 | 33         |
| Roofers  | 26         |
| Machinery maintenance occupations                      | 23         |
| Truck drivers, heavy                                   | 23         |

Data provided the U.S. Bureau of Labor Statistics (BLS) Census of Fatal Occupational Injuries (CFOI) via the Electrical Safety Foundation International (ESFI).

# **Employee Exposure**





Courtesy of Tyndale Company, Inc.

# The Electrical Cycle of Safety

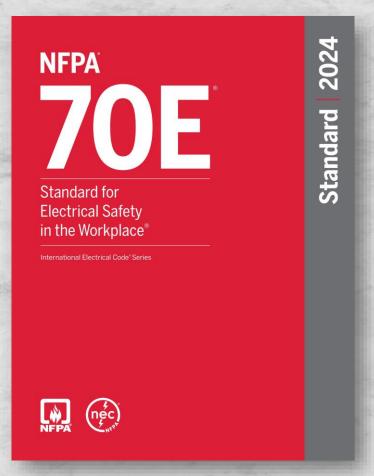


- NFPA 70<sup>®</sup> National Electrical Code<sup>®</sup> (NEC<sup>®</sup>)
  - Provides requirements for safe design, installation, and inspection
- NFPA 70B Standard for Electrical Equipment Maintenance
  - Provides requirements to help maintain functionality and safety of equipment after installation
- NFPA 70E<sup>®</sup> Standard for Electrical Safety in the Workplace<sup>®</sup>
  - Helps keep personnel safe while performing electrical installation and maintenance, while also meeting OSHA requirements



SAFETY & HEALTH CONFERENCE FOR ALL SAFETY PROFESSIONALS 2024

- Training is required for employees exposed to an electrical hazard and the risk is not reduced to a safe level.
- They must be:
  - Trained to understand the specific hazards associated with electrical energy
  - Trained in safety-related work practices and procedural requirements for their specific job or task
  - Trained to identify and understand the relationship between electrical hazards and possible injury



# Qualified vs. Unqualified Employees









Standard 2024

#### Qualified Person.

One who has demonstrated skills and knowledge related to the construction and operation of electrical equipment and installations and has received safety training to identify the hazards and reduce the associated risk.

Unqualified Person.
A person who is not a qualified person.

- Demonstrated skills and knowledge
- Received training to identify hazards and reduce risk

# NFPA 70E® + MCAA Training Opportunities









## NFPA 70E®

EMPOWERING ELECTRICAL SAFETY FOR MECHANICAL SERVICE TOGETHER



NFPA and MCAA are joining forces to offer resources and tools customized and curated to specifically address and mitigate risks related to electrical safety posed to MCAA members, including physical, compliance and financial risks.

Crafted by NFPA's trusted subject matter experts, this content will provide actionable information and strategies to help you and your team keep pace with the ever-changing regulatory environment, identify potential hazards and shortfalls, and markedly improve safety for your employees, customers, and their workplaces and communities.

Depending on your needs and goals, we offer different levels of educational programs from introductory to more in-depth and on-going programming—and it's all at a discounted rate. Request more information: nfpa.org/mcaa-nfpa



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# NFPA 70E® + MCAA 2hr. Video Training



#### **VIDEO TRAINING**

#### **ELECTRICAL SAFETY AWARENESS FOR MECHANICAL SERVICE**

Gain essential knowledge for creating a safer workplace with expert insights into electrical safety from hazard identification to proper PPE selection.

- · Approximately 2 hours of content
- NFPA Certificate of Completion\*

MCAA MEMBER
PRICE
\$125
PER ATTENDEE

Created for MCAA Specifically

Interactive & Impactful Content

**Cost Effective** 

NFPA Certificate of Completion & CEU's



Request more information: nfpa.org/mcaa-nfpa

# NFPA 70E® + MCAA 6hr. Online Training



#### ONLINE TRAINING

## MASTERING NFPA 70E, STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE

Equip your team with the expertise to identify and mitigate shock and arc flash hazards effectively. Learn from industry experts at your own pace.

- 6 hours of content split over 6 learning modules
- 0.6 CEUs issued
- NFPA Certificate of Completion\*

STANDARD \$259 MCAA MEMBER PRICE \$195

Convenience

Interactive & Impactful Content

**Cost Effective** 

NFPA Certificate of Completion & CEU's



# NFPA 70E® + MCAA Instructor-Led Training



#### **ON-SITE INSTRUCTOR LED TRAINING**

## BECOME AN EXPERT AT NFPA 70E, STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE

Recommended for anyone who uses or enforces NFPA 70E, including: safety managers, mechanical service contractors, project managers, risk managers, plant managers, and facility maintenance personnel.

- 2 Days of training
- 1.4 CEUs issued

MCAA MEMBER DISCOUNT 10%

#### **Expert Instruction**

The Most Convenient Location...Your Facility!

Customization / Relevancy

More Than Just Code Knowledge

**Top-Flight Training Materials** 

**Fully Accredited Programs** 

\* Virtual Instructor Led Training \*





# Other Resources



NFPA Training is a go-to resource for skilled professionals and a trusted partner for organizations investing in safety.





**ONLINE** 

ONSITE

LIVE VIRTUAL



## **Other Resources**





HOT WORK SAFETY
CERTIFICATE ONLINE
TRAINING



NFPA 101, LIFE SAFETY
CODE ESSENTIALS
ONLINE TRAINING SERIES







ONLINE FACILITIES CODE SERIES ONLINE TRAINING



NFPA 241, SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS ONLINE TRAINING SERIES





# Other Resources





**Certified Electrical Safety Worker (CESW)** 



**Certified Electrical Safety Technician (CEST)** 



Certified Electrical
Safety Compliance Professional
(CESCP)

## NFPA LINK®

Digital access to a range of content — from NFPA ® codes and standards to expert commentary and visual aids. Now it's easier to locate, organize, and share knowledge anytime and anywhere.



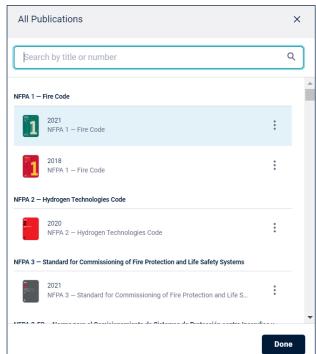
# CHERNIK LILINK

### NFPA LiNK® Content

#### **Publications**

### 1500 publications available within LiNK

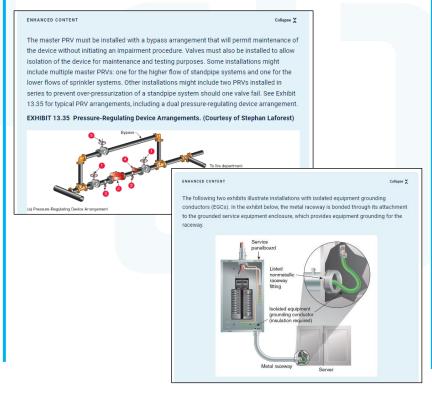
- Five editions of each NFPA code and standard
- First access to newly released editions
- Growing library of our publications



#### **Enhanced In-Line**

#### Expert commentary and visual aids inline with the code

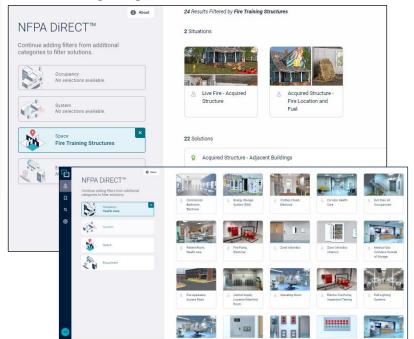
- Includes our most popular handbook content
- Enhanced content, created by NFPA subject matter experts, being added on an ongoing basis



#### Enhanced DiRECT®

# Situational content filtered by occupancy, system, space, and equipment

- Navigate to content based on real-life situations
- Aggregated code information with accompanying visual aids
- New content being added on an ongoing basis



## **NFPA LiNK® Features**

#### **Bookmarks / Notes**

## Organize and add notes to frequently used content

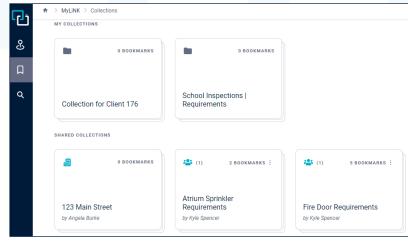
- Create personal notes, create bookmarks and assign colors
- Bookmarks persist across all editions so no need to start over when new editions are released



#### **Collections**

### Organize and collaborate through use of collections

- Create custom collections and aggregate content to save time and streamline your workflows
- With team subscriptions, collaborate with your peers to share relevant project notes through team collections



#### **Offline Access**

## Access important content when in a remote location

- Easily store publications with enhanced content, notes and bookmarks to your device for access when offline
- Search across your downloaded publications

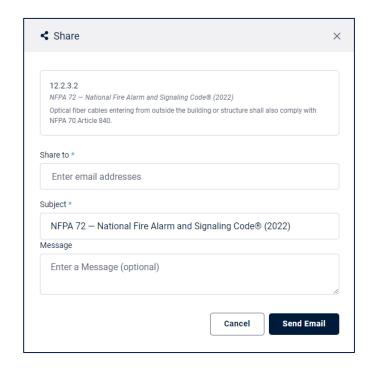


## **NFPA LiNK® Features**

#### **Sharing**

# Share code and standard requirements with users without a subscription

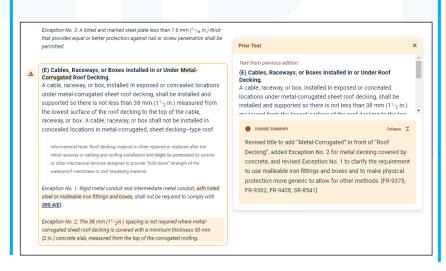
 With the handy LiNK share feature you can send code content to customers, clients or colleagues



#### **Interactive Changes**

## New interactive change indicators throughout the codes and standards

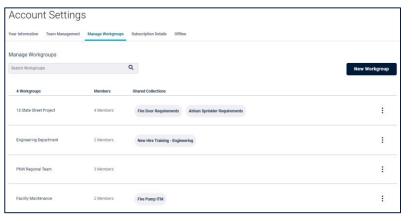
- Quickly identify exactly what has changed from the prior edition in a side-by-side comparison
- Change Summaries offer expert insight into revisions.
- TIA Change Indicators inform you of any code amendments that have been made since the publication was released.



#### **Team Management**

## Manage your team and control permissions within the application

- Add and remove team users, as well as assign account admins
- New workgroups feature allows admins to control sharing permissions and account-wide custom collections



## NFPA LiNK® Additional Resources

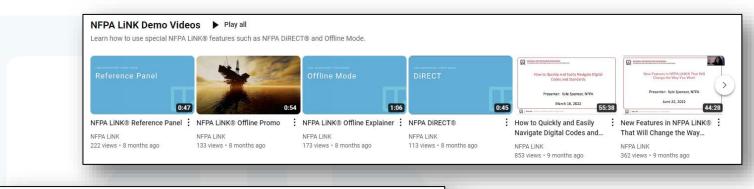
#### NFPA LiNK® YouTube Channel

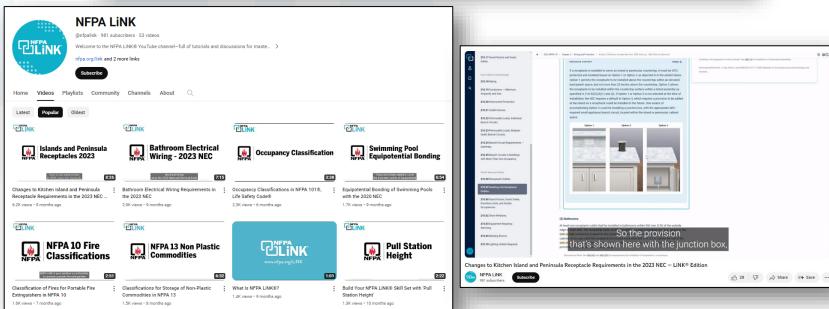
## The NFPA LiNK® YouTube Channel provides:

- Helpful videos on getting the most out of the features that LiNK provides
- Share expert videos with your employees on specific code requirements, developed by NFPA Technical Services staff members











# NFPA LiNK offers subscription pricing to fit your team and your budget. Multiple pricing and access options mean you can get exactly what you need.





- No credit card to sign up
- No obligation, hassle-free
- No auto-renewal
- Free for two weeks



- Digital Access to NFPA Codes and Standards
- Expert Commentary & Visual Aids
- Situational Navigation
- Custom Collections
- Personal Notations
- Bookmarking
- Sharing



- All Individual Plan Features
- User Management
- Team Collaboration
- Team Notes & Sharing
- Team options available for up to 5 or 10 users



- All Individual Plan Features
- User Management
- Enterprise Collaboration
- Enterprise Team Notes & Sharing
- 11 or More Users

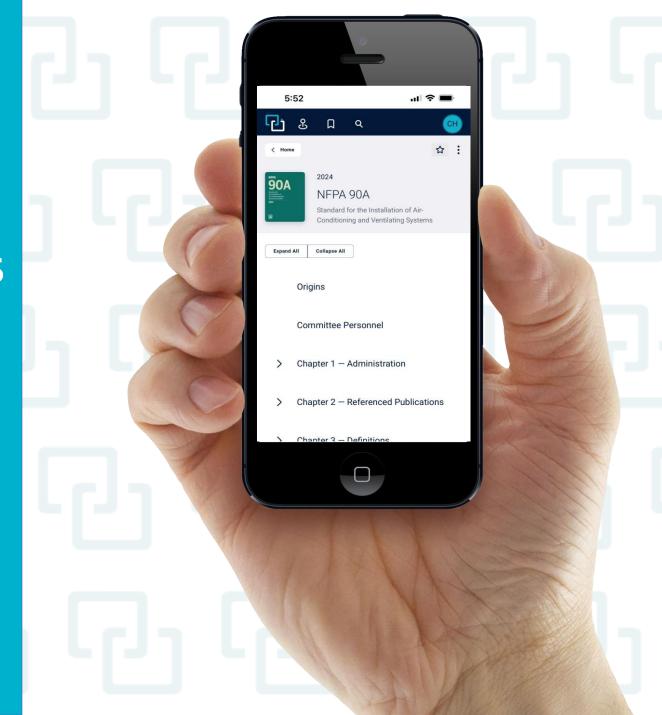


# THE ANSWER TO ALL YOUR NFPA CODES AND STANDARDS QUESTIONS – AT YOUR FINGERTIPS.

Learn more or enroll in a free trial: <a href="mailto:nfpa.org/link">nfpa.org/link</a>

**Check out our YouTube Channel:** 

youtube.com/@nfpalink





"Every professional trained on NFPA codes and standards is another skilled worker helping to make the world safer."

Jim Pauley, NFPA President and CEO









www.nfpa.org

