



Power Up Your Maintenance Strategies

A Panel Discussion on the Impact of NFPA 70B on Your Business



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NECA - Director, Codes and Standards

Asst. Secretary - NECA Codes and Standards Committee

NEC Correlating Committee

NFPA 72 Correlating Committee

NEC Code Panel 3



TIM SCHULTHEIS II

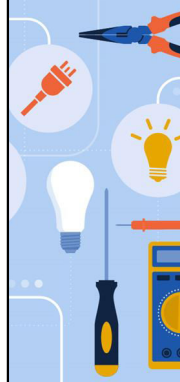


Owner – *Schultheis Electric T.S.B. Inc. (Western PA Chapter)*

Member – *NECA Codes and Standards Committee*

Represents NECA as **Principal Member:**

- *NEC® Correlating Committee*
- *NEC® Code Panel 9*
- *NFPA 70B Technical Committee*



NECA 2023 SERVICE AND MAINTENANCE CONFERENCE

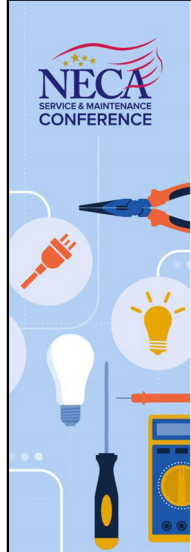




ALAN MANCHE

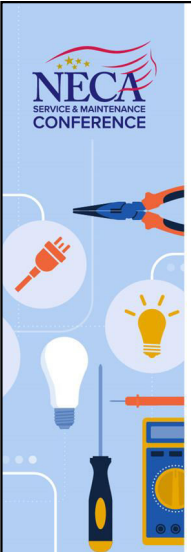
Vice President – External Affairs at Schneider Elec.
Chair – NEMA Codes and Standards Committee
Represents Schneider Electric as Principal Member on:

- NEC Correlating Committee
- NEC Code Making Panel 2
- NFPA 70B Technical Committee



OBJECTIVES

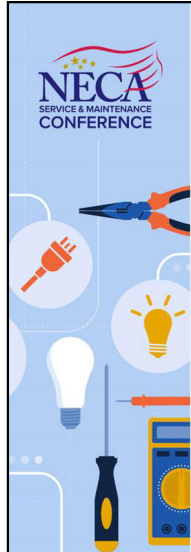
- Recommended Practice vs Standard.
- New NEC® Requirements on Service and Maintenance.
- NFPA 70B Not Just a Recommendation.
- How Maintenance Regulations Could Impact your Business.
- NECA Resources Available.



Topic/Question #1:

Explain the difference between:

- *Recommended Practices*
- *Standards*
- *Codes*



Topic/Question #2:

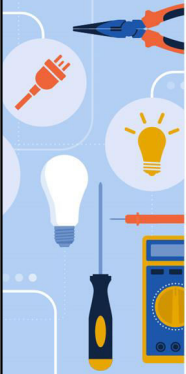
How do regulations like Codes and Standards Impact the business of electrical contracting?



Topic/Question #3:

Explain the new requirement from the 2023 *NEC*[®] Section 110.17 and how will this impact electrical contractors?

How has this new Section impact manufacturers?



QUALIFIED PERSON-2023 *NEC*[®]

- *One who has skills and knowledge related to the construction and operation of the electrical equipment and installations and has received safety training to recognize and avoid the hazards involved.*



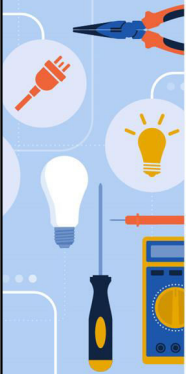
Topic/Question #4:

What safety concerns are there in relation to Service and Maintenance work?

- 20% of fatalities from electrical exposure worked in the **maintenance and repair** occupation⁽¹⁾.
- Workers in maintenance and repair occupations experienced the largest share (**30%**) of **Non-Fatal** electrical related injuries⁽²⁾.
- NFPA 70E requires Electrical Safety Programs (ESPs) to considering the “*Condition of Maintenance*” before performing JUSTIFIED energized electrical.

References:

- (1) NFPA Research Foundation Report on Fatal Work Injuries Caused by Exposure to Electricity in 2020.
(2) NFPA Research Foundation Report on Non-Fatal Work Injuries Caused by Exposure to Electricity in 2020.



Topic/Question #5:

NFPA 70B, was elevated to the **Standard for Electrical Equipment Maintenance**.

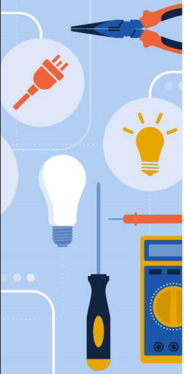
- What does a change like this mean for the electrical industry?
- How does this tie into 2023 *NEC*[®] Section 110.17?





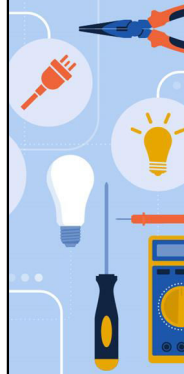
Topic/Question #6:

Do these new service and maintenance regulations (70B and NEC® 110.17) present business development opportunities for electrical contractors?



Topic/Question #7:

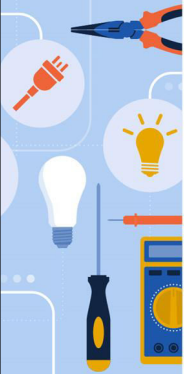
What service and maintenance resources are available from NECA?



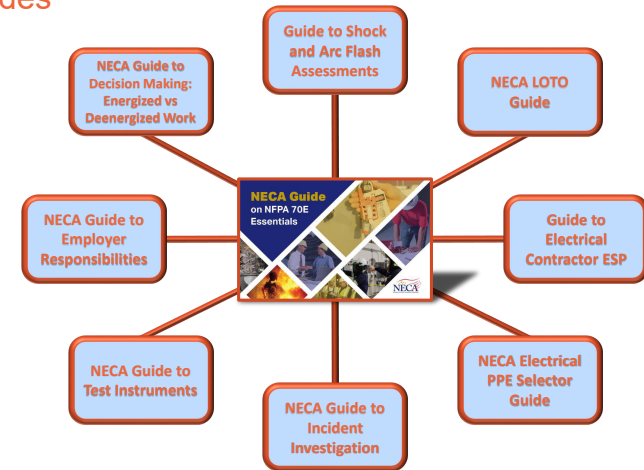
NECA 91-2023

NECA 91, Recommended Practice for Maintaining Electrical Equipment.

- Designed to support the implementation of the rules found in NEC Section 110.17 and NFPA 70B, *Standard for Maintaining Electrical Equipment*.
- **ALL** Service and Maintenance Conference Attendees will be receiving a complimentary digital copy of **NECA 91-2023**.



NECA Electrical Safety Guides





QUESTIONS?