



NPC ENERGY SERVICES LLC
Preventive Maintenance, Electrical Safety, and NFPA 70E Compliance Experts

TEGG
SERVICE

Keith Haakenson
Electrical Systems Specialist
907-830-9520



How can we help you today?

Select an option from our list of services below to learn more about how NPC Energy Services can help you.

NFPA 70E COMPLIANCE SOLUTIONS

Discover how NPC delivers electrical safety solutions in the workplace.

LEARN MORE

ELECTRICAL PREVENTIVE MAINTENANCE

NPC's guaranteed programs allow our clients to efficiently manage EPM responsibilities.

LEARN MORE

TRAINING & ELECTRICAL SAFETY

Our electrical safety training helps facility managers and employees become qualified per the 70E standard.

LEARN MORE

CONSTRUCTION SERVICES

NPC Energy Service offers a wide range of electrical construction services.

LEARN MORE



RECENT PROJECTS



20 JAN

ANC Runway 7L /25R Rehabilitation

This project will rehabilitate Runway 7L / 25R at TSAIA to accommodate Design Group VI[...]



NEWS & UPDATES



21 JAN

NPC Energy Services Provides EPM and 70E Compliance Solutions for Ted Stevens Anchorage Int'l Airport

NPC Energy Services, providing TEGG Service for the state of Alaska, recently completed Phase 1[...]



CONTACT US



Contact NPC Energy Services

Call 907-944-3435 or click to view our Contact details[...]

Northern Powerline

Constructors

907-344-3436

www.northernpowerline.com



NPC Energy Services, LLC

907-344-3435

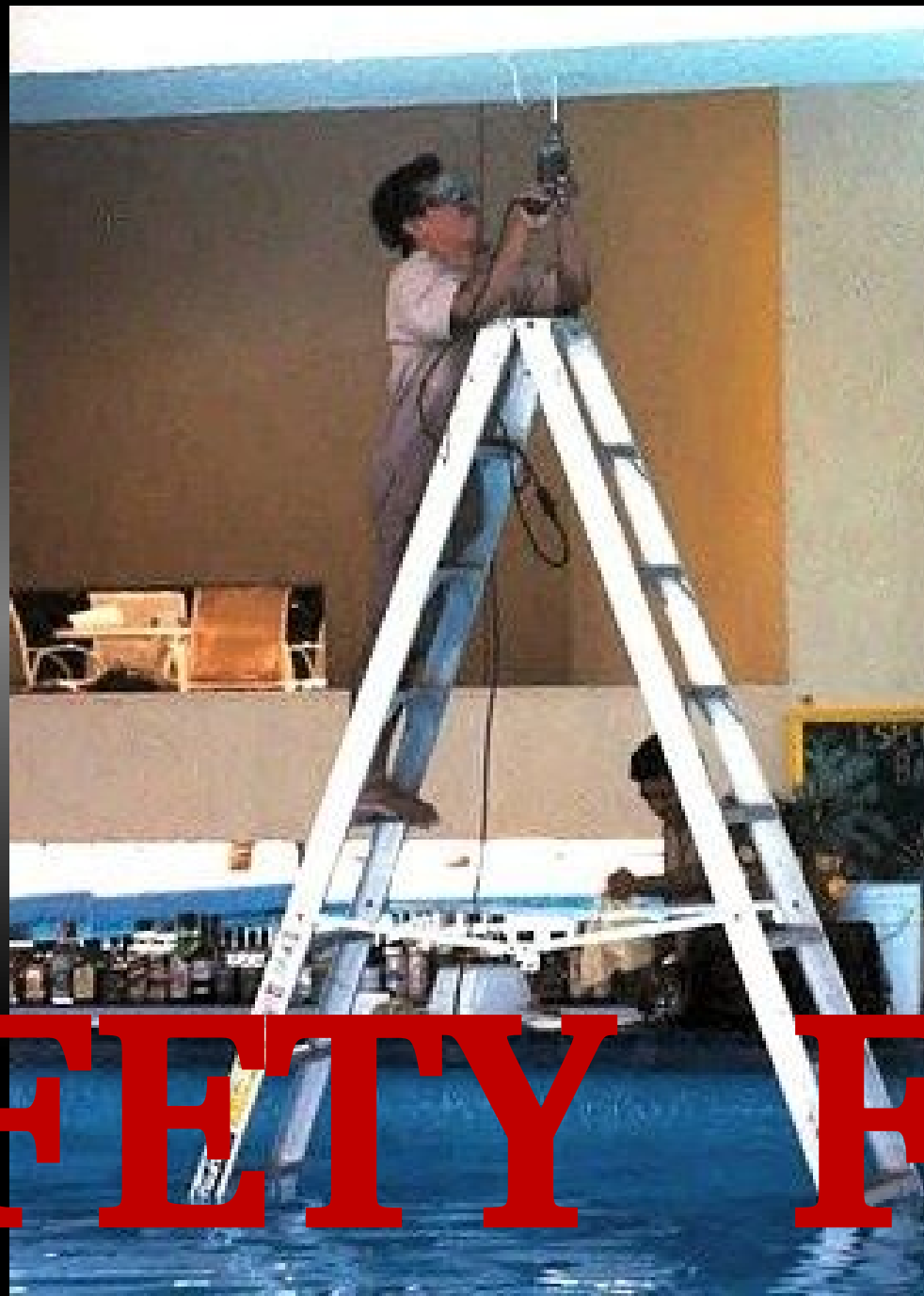
www.npcesllc.com

Midnight Sun Environmental

907-344-3244

www.midnightsunenvironmental





SAFETY FAIL

- **Changes to Expectations Regarding OSHA's stance on NFPA 70E**
- **What is an Electrical Arc Flash Event**
- **What Has Prompted these Changes**
- **What Consists of NFPA 70E Compliance**
- **Changes to NFPA 70E 2015**

OSHA **Fact Sheet**

Electric Power Generation, Transmission, and Distribution and Electrical Protective Equipment Final Rule.

Protection from Flames and Electric Arc Hazards

- The employer must assess the workplace to identify workers exposed to flame or electric-arc hazards.
- No later than January 1, 2015, employers must estimate the incident heat energy of any electric-arc hazard to which a worker would be exposed.
- No later than April 1, 2015, employers generally must provide workers exposed to hazards from electric arcs with protective clothing and other protective equipment with an arc rating greater than or equal to the estimated heat energy.



Why..... ?



“Industrial Safety & Hygiene News”---

There are 30,000 Arc Flash Incidents

“Industrial Safety & Hygiene News”---

7,000 Burn Injuries per year

“Industrial Safety & Hygiene News”---

2,000 Hospitalizations per year

“Industrial Safety & Hygiene News”---

Over 400 fatalities per year

“Industrial Safety & Hygiene News”---

**80% of Electrical Worker fatalities
are due to burn not shock**



SAFETY FAIL

What does compliance with NFPA 70E mean?

- Understand NFPA 70E and have a complete, written NFPA 70E Safety Plan**
- Train and Qualify Employees in NFPA 70E Compliance**
- Generate and Post a facility Electrical One-Line Diagram**
- Perform A Hazard/Risk Analysis and Apply Labels to Equipment**
- Provide the Appropriate Personal Protective Equipment**
- Perform Ongoing Maintenance on Electrical Equipment in accordance with NFPA 70B and NETA standards**

An aerial view of a city with several multi-story buildings. In the foreground, a yellow excavator is positioned on the roof of a building that is being demolished. The roof is covered in rubble and debris. The excavator's arm is raised, and it appears to be working on the structure. The surrounding city is dense with buildings of various colors and heights. The sky is clear and blue.

SAFETY FALL

Changes to NFPA 70E 2015

There are over **20** major changes in the 2015 Revision.

- Can either use the results from an Incident Energy Analysis or the use of the Arc Flash Hazard PPE Categories but *not both*.
- Definition of *Normal Operation*:
 - The Equipment is properly installed
 - The Equipment is properly maintained
 - The Equipment doors are closed and secured
 - All Equipment covers are in place and secured
 - There is no evidence of impending failure

SAFETY FAIL



Questions?



NPC Energy Services, LLC
Keith Haakenson
907-830-9520
Keith@npcesllc.com

