



# COMMERCIAL CASE STUDY

PRODUCT

## NEEDLESTICK HI-VIZ NSIND-91

Workers at Florida Power & Light were dealing with the risk of puncture injuries to the hand from handling copper wires during the recycling process. The general-purpose leather linemen gloves lacked adequate puncture resistance, and would wear out after a single day's use.

Find out how Mechanix Wear's Industrial Needlestick Hi-Viz NSIND-91 gloves finally solved FP & L's hand protection problems, after nearly three years of searching for a solution.



<b>PART #</b>	NSIND-91
<b>SIZE</b>	S-008 M-009 L-010 XL-011 2XL-012

EN 388

HYPODERMIC NEEDLE

ASTM F2878 2

4 X 4 3 E

ANSI A5	ANSI 4	ANSI 5
CUT	ABR	PUN

### THE PROBLEM

Electrical hazards are most likely at the top of the list of dangers utility workers face but are not the only ones. There are tasks that subject workers to puncture and abrasion hazards, namely recycling copper wire. Although workers at Florida Power & Light were wearing hand protection when stripping wires, they still faced serious hand injuries. Their general-purpose leather linemen gloves were no match for the abrasive and sharp metal wires they were handling. Wires can easily poke through gloves that are not designed for abrasion and puncture resistance, causing hand injuries.

Besides not providing adequate protection, the gloves FP & L workers were using would wear out after a single day's use. Typically, the company went through approximately 200 pairs per month. The inadequate protection, as well as the lack of durability of the gloves in use, provided more than enough motivation to seek out a better solution.

### RESULTS



HIGHER RATING FROM WORKERS



**4X**  
LONGER LASTING



**\$17K**  
YEARLY COST SAVINGS FROM REDUCED USAGE

### CUSTOMER

#### FLORIDA POWER AND LIGHT

"As America's largest electric utility, Florida Power & Light Company serves more customers and sells more power than any other utility, providing clean, affordable, reliable electricity."

<b>\$14.1B</b>	ANNUAL REVENUE
<b>12MM</b>	CUSTOMERS SERVED
<b>25,000+</b>	MEGAWATTS OF NET GENERATING CAPACITY
<b>9,700</b>	EMPLOYEES

### APPLICATION

COPPER WIRE HANDLING AND RECYCLING

### INDUSTRY

ENERGY + UTILITIES

### CUSTOMER CONSIDERATIONS

- Will new gloves stand up to the demands of the application?
- Can we reduce glove usage?
- Will we need to sacrifice worker comfort for a more protective glove?



*This specific customer has been trialing gloves for quite literally years and nothing has lasted more than a day, so I am glad we were finally able to get them in the right one.*

AUSTIN LADD | SAFETY SPECIALIST / DISTRIBUTOR







## SOLUTION

Florida Power & Light had been trialing gloves for handling wires during the copper wire recycling process for nearly three years, without finding a solution. Enter Mechanix Wear's Industrial Needlestick Hi-Viz NSIND-91 glove.

Mechanix Wear, along with a distributor partner, implemented an on-site assessment and glove trial (20 pairs of gloves across 10 individuals) through the TRACK program. The Industrial Needlestick Hi-Viz NSIND-91 glove was specifically designed to protect against needles, cables, and other sharp, with emphasis on the palm, fingertips, and seams. Its combination of high-performance Durahide™ Leather and ArmorCore™ needlestick resistant technology meets ASTM F2878 Level 2 rating for needlestick puncture protection, yet provides dexterity, breathability, and comfort at the same time. The NSIND-91 is also ANSI rated for cut, abrasion, and puncture (Levels 5, 4, and 5, respectively), and its water-resistant palm protects against harmful liquids.

The Industrial Needlestick Hi-Viz glove finally solved the Florida Power & Light's hand protection problems. Not only did the gloves provide the necessary needlestick puncture protection, but also proved to be a much better value. They last approximately four times as long as the previous gloves, with usage going from 200 pairs of gloves in a month, down to the projected usage of only 50 pairs a month. This resulted in a yearly cost savings of \$17,000.

## USER FEEDBACK

The safety manager at Florida Power & Light is extremely pleased with the new gloves, and noted that they are lasting longer and workers "like the strength and comfort" the Mechanix Wear gloves provide. After trialing gloves for nearly three years, the NSIND-91 glove finally came through with the needlestick puncture protection workers need to safely strip copper wires during the recycling process. The gloves are also a great value since they last four times as long as the previous gloves, thereby reducing usage and saving money in the long run.

## SUMMARY

Gloves for workers at Florida Power & Light

- Receive positive employee feedback
- Provide the necessary needlestick puncture protection for the application at hand
- Compliant with both ASTM and ANSI glove testing standards for needlestick hazards, cut, abrasion, and puncture
- Last four times as long compared to the previous glove, providing greater value and \$17K of annual cost savings



## ARE YOU ON THE RIGHT TRACK?

JOIN AN ELITE GROUP OF COMPANIES WHO HAVE SWITCHED TO THE TRACK PROGRAM, TO TAKE CONTROL OF YOUR SAFETY AND COSTS.

- ✓ PRODUCT SAMPLES FOR TRIALS
- ✓ EXPERT JOB SITE ASSESSMENT
- ✓ DETAILED REPORT WITH PPE RECOMMENDATIONS

**SIGN UP NOW!**