

*“Our safety culture is based on a simple premise: MAKE SURE THAT OUR BOILERMAKERS WHO ENTER THE GATE WITH US IN THE MORNING ARE THE SAME PEOPLE THAT LEAVE WITH US AT THE END OF THE DAY.”*

*– Newton Jones, International President  
International Brotherhood of Boilermakers*

2012 MOST PROGRAM REPORT

[MOSTprograms.com](http://MOSTprograms.com)

  
*The Boilermaker Advantage*

*“As an Owner, we focus on Safety, Quality, Cost, and Schedule. The MOST programs provide opportunities in each of these four focus areas, and the MOST Substance Abuse Program provided a template from which many industry programs have been patterned. THERE HAS BEEN A DIRECT POSITIVE CORRELATION BETWEEN OUR INDUSTRY’S IMPROVED SAFETY PERFORMANCE AND THE INITIATION OF SUBSTANCE ABUSE TESTING AND SAFETY TRAINING. WE MUST NOT RELENT UNTIL ALL PROJECTS ARE INJURY FREE.”*

*– Thomas P. Householder  
Managing Director – Labor Services  
American Electric Power*



20,887

*Boilermakers tested for alcohol/illegal substances in 2012*

1.01%

*Percentage of Boilermakers who tested positive in random drug screening tests in 2012*

1.57%

*Boilermakers’ positive rate since mandatory drug screening was implemented in 1991*

437,123

*Substance tests MOST has conducted since 1991*

3,940

*Random drug screening tests conducted in 2012*

## THE MOST SUBSTANCE ABUSE PROGRAM

[MOSTprograms.com](http://MOSTprograms.com)

National studies reveal that substance abusers are ten times more likely to miss work than their drug-free co-workers. Additionally, substance abusers are four times more likely to be involved in on-the-job accidents and five times more likely to injure either himself/herself or a co-worker in the process.

Since 1991, MOST and the Boilermakers have led the industry in fighting against this workplace trend. The MOST Substance Abuse Program implements mandatory drug screening and offers assistance to employees seeking help. As the industry model, the

program continually contributes to a reduction in lost time injuries and in compensable rates. Its effectiveness has been so thorough that the program became mandatory in 1996 for all Boilermaker members throughout the country, making the Boilermakers the only building trades union to impose this requirement.

The MOST Substance Abuse Program is committed to leading the industry in fighting substance abuse in the workplace, which means Owners and Contractors can count on a safe, reliable and healthy work environment.

# \$975.83

Dollar amount saved **per weld test** as a result of a MOST Common Arc Program sponsored test compared to the expense of an employer-conducted individual test on a job site for 2012 – up from \$970.40 in 2011

# 208

Number of contractors who participated in the MOST Common Arc Program in 2012

# 10,114

Number of certified welders in the MOST Common Arc Program database

# \$24.17

Total cost of welder certifications/continuity per welder/contractor certification in 2012

# 4,762

Number of welders who went through the MOST Common Arc Program simultaneous testing in 2012

## THE MOST COMMON ARC PROGRAM

[MOSTprograms.com](http://MOSTprograms.com)

One of the main benefits to the Owners and Contractors who hire Boilermakers is the MOST Common Arc Program. This program eliminates redundant testing on the job site and has reduced costs associated with welder certification by 95%.

But the benefits of the MOST Common Arc Program are not limited to Owners and Contractors. Boilermaker members who become certified through Common Arc increase their work opportunities.

Throughout the years, Common Arc has eliminated costs previously paid by Owners and Contractors, ensuring an efficient and rapid return to operation. Additionally, the program continually reduces weld test redundancy that improves bottom line profitability for Owners and Contractors.

Whether you are an Owner, Contractor or Boilermaker member, the MOST Common Arc Program is a true benefit with a proven record of reducing redundancies in both time and money.

*“I can attribute a lot of my jobs to Common Arc. CONTRACTORS WANT WELDERS THAT CAN WALK RIGHT IN AND GO TO WORK. IT IS REALLY GOOD FOR EMERGENCY JOBS WHERE YOU DON’T HAVE TIME TO TAKE A WELD TEST.”* – John Waldvogel, Local 1

**MOST**<sup>®</sup>  
The Boilermaker Advantage

*“If a Project Manager does a safer and more productive job, HIS EMPLOYERS — THE OWNER AND THE CONTRACTOR — BENEFIT FROM THIS PROGRAM. THAT’S WHY THIS PROGRAM HAS THE POTENTIAL TO BE A WIN-WIN-WIN FOR EVERYONE.”*

*– Dale “Skipper” Branscum, Director, Construction Division Services  
IBB & MOST Project Management Instructor*



39

*Number of participants in the MOST Project Management Program in 2012*

16

*Number of participants in the MOST Project Management Program in 2011*

318

*Total number of participants trained*

## THE MOST PROJECT MANAGEMENT PROGRAM

[MOSTprograms.com](http://MOSTprograms.com)

The MOST Project Management Program is tailor-made for what Boilermakers do, and reflects real situations and issues participants could experience as a project manager.

Understanding the business side of a job site and mastering the management skills a supervisor faces daily is at the heart of the MOST Project Management Program. The training uses job site scenarios to identify problems and work-through solutions. It forces each participant to see all sides of a situation and respond as a leader. Some of the supervisory

topics covered include safety, estimating and budgeting, trade jurisdiction, labor agreement interpretation, planning and scheduling, turnover, logistics, diversity and conflict resolution.

The MOST Project Management Program exposes the seasoned Boilermaker to all aspects of running a project. It brings advanced supervisory training to those seeking opportunities to take their career to the next level. The extensive application process and intensive coursework ensures an experienced Boilermaker has the proper training and opportunity to further his/her career.

# 9,136

Total number of modules completed by Boilermakers in one or more of the four levels of training

# 493

Total number of rigging classes in 2012

## 2,164

Number of Boilermakers to complete the first level of rigging training

## 2,115

Number of Boilermakers to complete the second level of rigging training

## 2,683

Number of Boilermakers to complete the third level of rigging training

## 2,174

Number of Boilermakers to complete the fourth level of rigging training

## THE MOST RIGGING PROGRAM

Raising the knowledge levels of all Boilermakers, the MOST Rigging Program focuses on the hazards faced while on the various job sites throughout the United States while providing pre-job training to qualified Boilermakers.

The MOST Rigging Program offers four eight-hour modules of training that supplement BNAP training and allows for journeymen upgrading. The Rigging Program ensures that every Boilermaker is well informed about the proper

and safe methods of moving the massive pieces into place. Upon completion of module three, a Boilermaker receives a card, which proves he/she meets the signal person requirements of OSHA Subpart CC 1926.1400.

Since 2008, this program has led to enhancements and improvements to the overall safety training programs. One of the more popular programs, the MOST Rigging Program ensures a unified level of safety for all.

*“The MOST Rigging Program IS AN EXCELLENT COURSE FOR BOILERMAKERS TO REFRESH AND SHARPEN THEIR RIGGING SKILLS.”*

*– Eric Olson, SA JAC*

**MOST**<sup>®</sup>  
The Boilermaker Advantage

*"I found the MOST Leadership training course to not only be an inspirational tool in developing my leadership abilities, BUT AN INVALUABLE RESOURCE THAT I HAVE UTILIZED EVERY DAY AS A JOURNEYMAN BOILERMAKER, A FOREMEN AND AN APPRENTICE INSTRUCTOR."* – Jonathan Russell, Local 199



# 17

*Field Leadership training classes held*

# 240

*Field Leadership students trained in 2012*

# 1,134

*Total number of Field Leadership students trained since 2006*

## THE MOST LEADERSHIP PROGRAM

[MOSTprograms.com](http://MOSTprograms.com)

Being a foremen or supervisor exposes a Boilermaker to the business aspects of construction. This is not only extremely important to the Boilermakers, but also to our Owners and Contractors because it impacts their business as well.

Stemming from the foremen's training program, the MOST Leadership Program focuses on business-related experiences. These include topics a Boilermaker will encounter on the job,

such as administrative responsibilities, people skills, personnel issues, safety and profitability.

Being a foremen or field manager is a huge responsibility and isn't for everyone, but for those who do want to assume the responsibility and advance their careers, the MOST Leadership program is a great teaching tool.

# 6 MONTHS

*Length of time interns spend in the program*

# 17

*Number of applicants for MOST internships in 2012*

## THE MOST INTERNSHIP PROGRAM

Student interns in safety science typically are located at one single location – a construction company or a manufacturing plant. A MOST internship takes students a step further by allowing them to see many aspects of safety management in practice.

The MOST Internship Program works in conjunction with the safety management program at Slippery Rock University in Slippery Rock, PA.

The first part of the internship is spent at MOST headquarters in Kansas City, KS. From there, interns go out into the field, visiting job sites across the country. During the MOST Internship Program students receive an overall perspective of the construction industry that prepares them to be safety leaders wherever they work. Contractors get someone interested in the safety field and also have the opportunity to see this person in action on the job.

*“Almost all of the students who are chosen for MOST internships get hired on by one of the contractors. WHAT THEY’RE EXPOSED TO IS PHENOMENAL. THERE’S NOTHING ELSE LIKE IT AND THE EXPERIENCE THEY GET IN THE FIELD IS SECOND TO NONE.”*

*– Dr. Joseph Cali  
Department Chair, Safety Management  
Slippery Rock University*

**MOST**<sup>®</sup>  
*The Boilermaker Advantage*

*“As a contractor, it gives us a lot of confidence  
WHEN BIDDING PROJECTS OR  
GETTING READY TO EXECUTE  
PROJECTS THAT WE ARE GETTING  
THE HIGHEST QUALIFIED,  
SAFEST WORKFORCE IN THE  
MARKETPLACE.”*

*– Ken Wasilewski*

*General Manager, Eastern Operations  
Babcock and Wilcox Construction Co., Inc.*

**MOST**<sup>®</sup>  
*The Boilermaker Advantage*

3,888

*Boilermakers have completed the  
authorized OSHA 10-hour program in 2012*

309

*Number of classes held*

2,808

*Boilermakers have completed the authorized  
OSHA 30-hour program in 2012*

916

*Increase in number of Boilermakers who  
have received authorized OSHA 10/30 training  
in 2012 over the previous year*

## THE MOST OSHA 10/30 PROGRAM

[MOSTprograms.com](http://MOSTprograms.com)

Boilermakers depend on everyone on the job site for their own personal safety and it isn't enough to simply be aware of hazards – construction workers must be able to recognize dangers and prevent injuries. In a workplace that is always changing, it is equally important for experienced workers to stay current on federal requirements and safety standards.

The MOST OSHA 10/30 Program emphasizes a safe work environment and reduces liability issues for Owners and Contractors. These vital business aspects of the program ensure profitability and consistency

for the countless Owners and Contractors who sustain this program.

Often duplicated, this program has set the standard for Boilermakers and the industry. As the standard, the MOST OSHA 10/30 Program has led to reductions in lost time and compensable injuries since 1993 saving our industry billions of dollars. The MOST OSHA 10/30 Program provides wide ranging benefits to our industry including dollars saved and a more than 90 percent injury reduction.

# 1,778

Safety glasses put into the hands of  
Boilermakers through the  
MOST Safety Eyewear Program in 2012

## 857

Bifocal & progressive bifocal safety glasses  
provided to Boilermakers in 2012

## 904

Pairs of single-vision protective glasses  
issued to Boilermakers in 2012

## 17

Trifocal/double segs issued in 2012

## THE MOST SAFETY EYEWEAR PROGRAM

[MOSTprograms.com](http://MOSTprograms.com)

Studies have shown that something as simple as protective eyewear can prevent 90 percent of eye injuries in the workplace.

Since 1992, the MOST Safety Eyewear Program has provided almost 15,300 pairs of prescription safety

glasses free of charge to Boilermakers to alleviate eye injuries within the trade. During this time Boilermakers have reported steady reductions in annual eye injuries and the program has contributed to a 62 percent reduction in eye injuries.

*“In terms of the MOST Safety Eyewear Program, the Boilermakers are definitely setting the industry standard. BECAUSE IN THIS LINE OF WORK PROTECTIVE EYEWEAR IS CRITICAL, MANY BOILERMAKERS THANK US FOR THE OPPORTUNITY TO RECEIVE PRESCRIPTION SAFETY GLASSES.”* – Celine Johnson, MOST Representative

**MOST**<sup>®</sup>  
The Boilermaker Advantage

*“Boilermakers that have gone through the MOST Scaffolding Program tell us HOW VALUABLE THIS TRAINING IS IN HELPING THEM TO SAFELY ERECT SCAFFOLDING NO MATTER WHERE THE JOB SITE IS LOCATED.”*

*– Brian Loftus, MOST Safety Representative*



2,921

*Scaffold users trained in 2012*

130

*Scaffold user classes held in 2012*

9,237

*Total number of Scaffolding students trained since 2000*

## THE MOST SCAFFOLDING PROGRAM

[MOSTprograms.com](http://MOSTprograms.com)

According to OSHA, an estimated 2.3 million construction workers (or 65 percent of the construction industry) work on scaffolds. Protecting these workers from scaffold-related accidents may prevent some of the 4,500 injuries and more than 60 deaths every year (Bureau of Labor Statistics: 2003 and 2004 data for the private sector), at a savings of \$90 million in workdays not lost for American employers.

Vital to the onsite success of any Boilermaker project is the ability to erect scaffolding safely and securely. Since 2000, the MOST Scaffolding Program has followed the federal training requirement called for in OSHA 1926

Subpart L providing pre-job training while authorizing Boilermakers for work. MOST's three-level course structure ensures safety as well as productivity.

The program highlights safe methods of assembling structures to ensure the safe fabrication of giant boilers, smoke stacks and other job site requirements. MOST understands that Boilermakers must master the installation of these scaffolding units, which is why the program is offered to ensure that everyone from apprentice to journeyman is prepared to build and safely navigate their way through the various dangers on a construction site.

# 3,067

Steel Erection and Rigging  
Fundamentals trained in 2012

# 142

Steel erection classes held in 2012

# 13,510

Steel Erection and Rigging  
Fundamentals trained since 2001

THE MOST  
STEEL  
ERECTION  
PROGRAM

Boilermakers are required to erect steel and to ensure this is completed in a safe manner. The MOST Steel Erection Program was established in 2001 and follows the federal training requirement called for in OSHA 1926 Subpart R, which provides pre-job training and authorizes Boilermakers for work.

Upon completion of the one-day course, each Boilermaker receives a completion certification providing documented proof of his/her understanding of the hazards associated with this vital skill.

*“The MOST Steel Erection Program reinforces the Boilermaker culture of safety. WHETHER YOU ARE AN APPRENTICE OR A JOURNEYMAN BOILERMAKER, THIS PROGRAM PREPARES YOU TO MEET THE STANDARDS OF TODAY’S JOB SITES.”*

*- Bridget Connors, MOST Safety Representative*

**MOST**<sup>®</sup>  
The Boilermaker Advantage

*“The MOST Verification Program provides Contractors the ability to verify worker qualifications quickly. It also allows the Boilermaker with a means to review their current status and make sure all of their training and testing has been updated. THE ULTIMATE END RESULT FOR EVERYONE IS A MORE EFFICIENT WORKPLACE.”*

*– Roger Erickson, MOST Administrator*



# 4,782

*Total number of calls to the MOST Verification Program in 2012*

# 13.10

*Average number of calls made to the program each day in 2012*

# 5,405

*Total number of calls to the MOST Verification Program in 2011*

## THE MOST VERIFICATION PROGRAM

[MOSTprograms.com](http://MOSTprograms.com)

The MOST Verification Program has provided instant updates on a Boilermaker's participation in training classes, current drug screening and weld certification for contractors throughout the United States since 1991. Initially a telephone hotline, the system went online in 2001.

Contractors, on behalf of the Owners they work for, have immediate access to both systems. In fact, Contractors that utilize the telephone hotline also have the ability to request the worker's report via the Internet or a fax submission, which is submitted

immediately. In addition to quick responses, this system also provides the ability to verify an individual drug test history, which provides the opportunity to lower costs due to the elimination of redundant test requests.

Since its inception, more than 70,000 Boilermakers have utilized the MOST Verification Program to ensure that they are prepared for work.

# \$45,068

Amount of money MOST spent to ensure Boilermakers had proper footwear in 2012

## 6,672

boot vouchers issued in 2012

## 601

vouchers redeemed during 2012

MOST has supplied  

## \$3,076,350

in boot vouchers through the Safety Footwear Program

*“The MOST Safety Footwear Program is a ‘thank-you’ to all of the Boilermakers who put safety first and take their own time to complete the training. **THE PROGRAM SHOWS THAT DILIGENCE TO SAFETY IS HIGHLY APPRECIATED.**”*

*– Roger Erickson, MOST Administrator*

## THE MOST SAFETY FOOTWEAR PROGRAM

Footwear protection is vital on any work site. According to the Bureau of Labor Statistics, only 23 percent of workers with foot injuries wore safety shoes or boots.

Developed to thank the many Boilermakers who make safety a priority and participate in the various programs on their personal time, the MOST Safety Footwear Program ensures our members have the appropriate footwear to do their jobs.

Upon successful completion of an OSHA ten-hour safety course, a drug test and any other MOST program, the Boilermaker receives a voucher towards a pair of Red Wing Safety Boots.

The program, established in 2006, has provided \$3.1 million in safety footwear to the industry, ensuring Boilermakers arrive to the job site prepared to safely complete their tasks.

**MOST**<sup>®</sup>  
The Boilermaker Advantage

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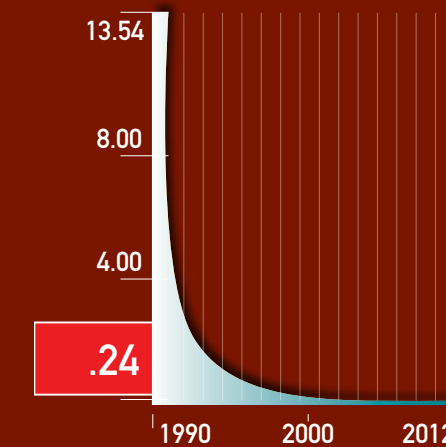
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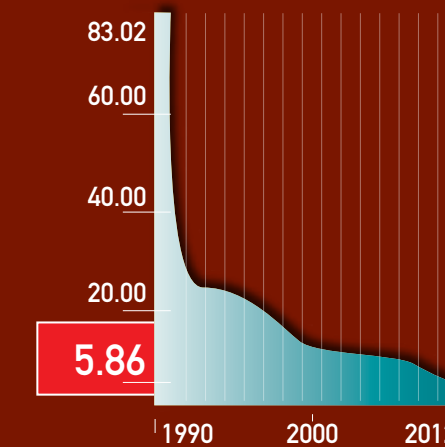
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# 2012 BOILERMAKER SAFETY STATISTICS

## Boilermaker Injury Rates For Population Covered By Study



**LOST TIME RATES**



**COMPENSABLE RATES**



**OSHA RECORDABLE RATES**

**90%** REDUCTION  
 in lost time injuries since 1989

Data provided by NACBE Safety Report. Numbers in red indicate totals for 2012

  
MOST<sup>®</sup>  
*The Boilermaker Advantage*

*MOSTprograms.com*