MISSION

To build a safe, productive, and sustainable workforce of craft professionals.



NCCER OVERVIEW PHMSA 2016 PIPELINE PUBLIC AWARENESS WORKSHOP

JULY 13, 2016 Chicago, IL





NCCER OVERVIEW

- Who We Are Background, Mission & Vision
- Scope and Scale
- NCCER and Pipeline
- PHMSA and NCCER Partnership
- Why Train?
- Conclusion





Background, Mission, Vision



WHO WE ARE



- Not-for-profit education foundation
- Created in 1996 as The National Center for Construction Education and Research
- Support of more than 125 construction CEOs, associations and academic leaders
- Revolutionized training for the construction industry





OUR MISSION AND VISION





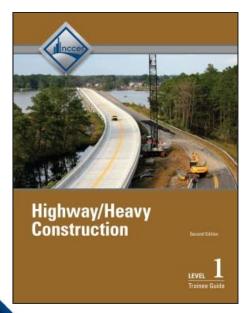
Mission: Build a safe, productive and sustainable workforce of craft professionals

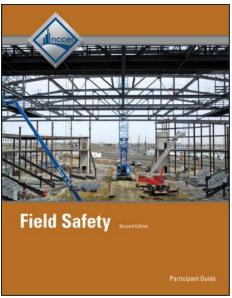
Vision: Be universally recognized by industry and government as the training, assessment, certification and career development standard for construction and maintenance craft professionals



FOR INDUSTRY

- 35 Construction and Maintenance Craft Areas
- 8 Power Areas
- 6 Sustainable Titles
- 8 Pipeline and Pipeline Maintenance Craft Areas
- 6 Safety and Management Titles
- 3 Maritime Titles











...BY INDUSTRY - SUBJECT MATTER EXPERTS



NCCER authoring teams comprised of those who perform the jobs with min 8 years field experience and experience teaching the craft to others

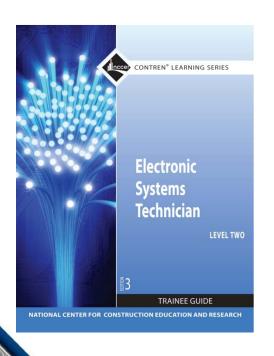


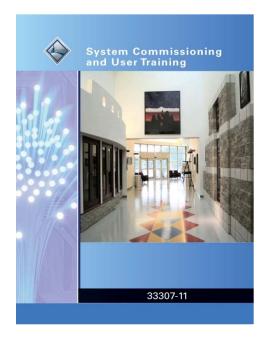
STANDARDIZED FORMAT



Modular

- Discrete task training unit
- Must pass written & performance tests for each





Level

- Modules sequenced in a logical instructional order for overall course study
- Curricula meets DOL requirements for apprenticeship time-based training



SUCCESSFUL COMPLETIONS TRACKED AND RECORDS STORED IN NCCER'S

OF SERVICE

REGISTRY

 Certificate provided after completion of a level in NCCER's curriculum

 Achieved by passing every module's written
 & performance tests







Scope and Scale



OUR SCOPE











GOVERNMENT

- Job Corps
- YouthBuild
- Corrections
- State & Local Workforce Agencies
- Military
- State Licensing Agencies

WORKFORCE

- Owners
- Contractors
- Associations
- Organized Labor
- Leased Labor

INDUSTRY

- Construction
- Pipeline
- Mining
- Manufacturing
- Shipbuilding
- Petrochemical
- Energy

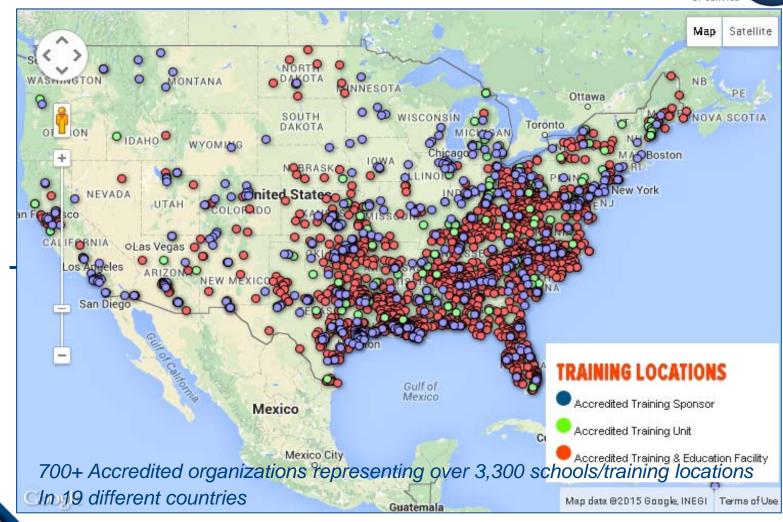
EDUCATION

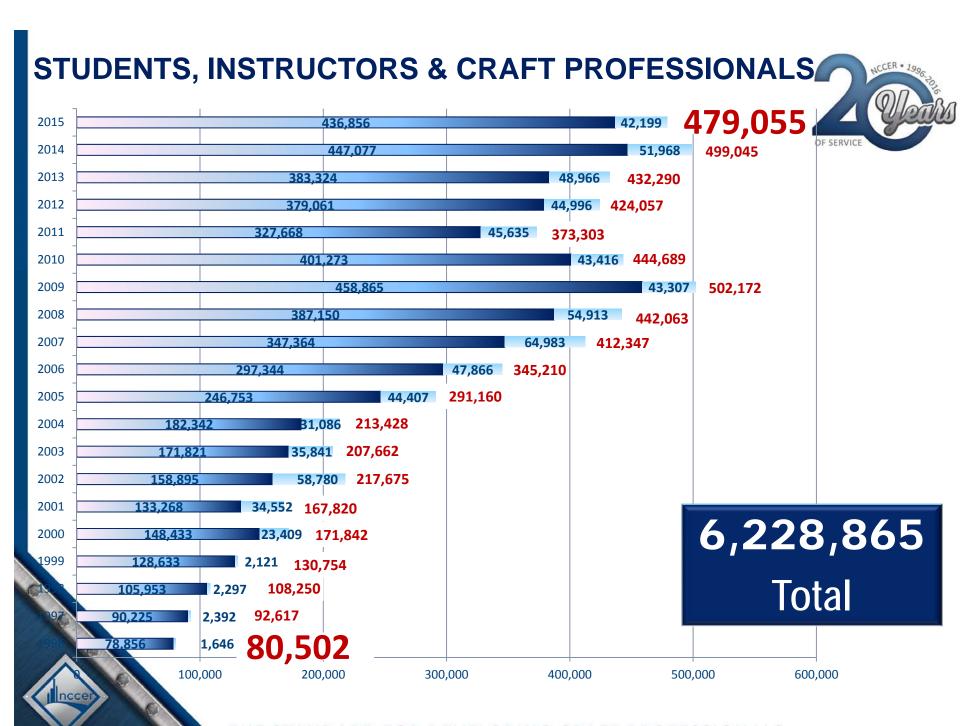
- Secondary
- Community Colleges
- Career Colleges
- Propriety Schools
- Training Academies
- Employment Based



OUR SCALE: 50 STATES & 19 DIFFERENT COUNTRIES



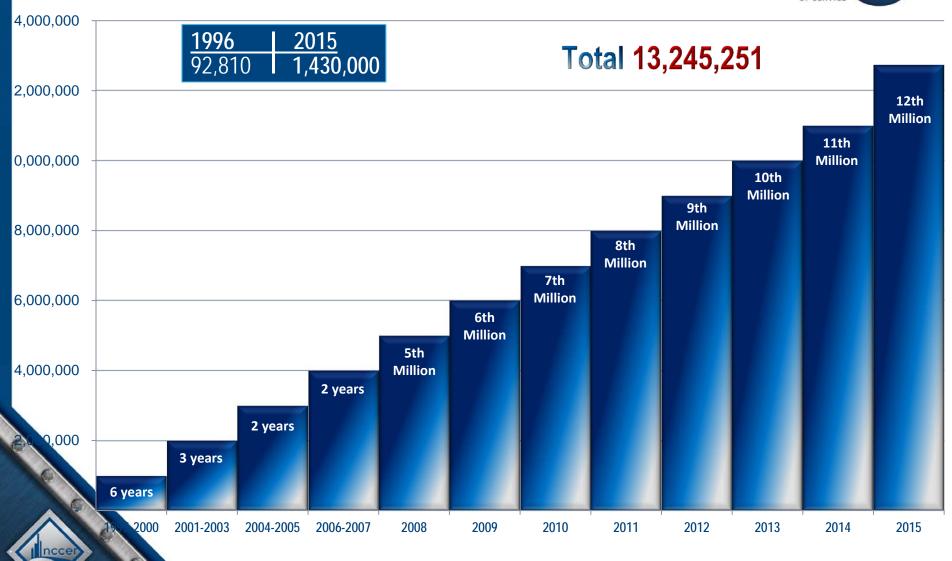




THE STANDARD FOR DEVELOPING CRAFT PROFESSIONALS

TOTAL TRAINING COMPLETIONS





THE STANDARD FOR DEVELOPING CRAFT PROFESSIONALS



NCCER and the Pipeline Industry



OPERATOR QUALIFICATION (OQ) RULE The purpose of the OQ Rule is to reduce accidents related to human error



- Qualified
- Able to recognize and react to abnormal operating conditions





KEY POINTS OF REGULATION



- 1999 Final rule published Operators must develop a written qualification program
- 2000 API (American Petroleum Association) publishes document which provides covered task list recommendations (API Publication 1161)
- 2001 Operators must have written qualification program complete
- 2002 Operators must complete the qualification of individuals performing covered tasks
- 2003 NCCER partners with API and uses 1161 to publish curriculum, assessments and PVs to support OQ rule
- 2004 Observation on the job is no longer acceptable as the sole method of evaluation and training should be provided to pipeliners
- 2004 DOT establishes PHMSA (Pipeline Hazardous Materials and Safety Administration) to enforce regulations on safety, reliability and environmentally sound operations



PIPELINE USERS COUNCIL



Comprised of Operators, Contractors, Government, Service Providers

Goals are to establish career paths for pipeline personnel, to promote training, safety, and align with prevailing standards and regulations

Government Member: PHMSA

Operators: Shell, Enbridge, Oneok, Kindermorgan, Colonial, BP, Phillips 66, Flint Hills Resources, Sunoco, Koch, NuStar, Enterprise Contractors: Praxair Services, Mastec, Jomax, Henkels and McCoy, Enhance Co., L.E. Bell, Thorco, EMS, Snelson Companies, Construction Craft Academy, Quality Integrated Services

Service Providers: ISN, Southland Safety, Safety Advantage





PHMSA & NCCER Partnership



EXCAVATOR ENFORCEMENT RULE 2





TRAINING ON 811





NCCER incorporating safe digging practices into its Heavy Equipment Operator and Field Safety training – these crafts have trained more than 23,000 people in the last five years



NCCER Supporting NSDM



- "What's New with NCCER" Section of Home page
- Promoting 811 through social media

WHAT'S NEW WITH NCCER?



New Registry System Coming This Summer

We are excited to announce that the first phase of NCCER's new Registry System will be launching this summer. Read more



Salaries Remain High in the Construction Industry

Skilled craft professionals continue to earn top dollar, according to NCCER's 2015 Construction Craft Salary Survey. Read more



April is National Safe Digging Month!

This month, recognized by CGA stakeholders, reminds diggers the importance of calling 811 before all outdoor digging projects, large or small. Read more



NCCER Awards the 2016 ABC Craft Instructor of the Year

NCCER is pleased to recognize John Lupacchino of Gaylor Electric, Inc. in Noblesville, Indiana as the Associated Builders and Contractors (ABC) 2016 Craft Instructor of the Year. Read more



BYF Expands to Indiana to Help Close the Construction Skills Gap

With construction companies expected to hire more than 61,000 workers in Indiana

- News & Publications
- Instructor Resources
- CWDA
- Construction Career Pathways
- · Join the Mailing List

LATEST TWEETS

#LongBeach, #California proves that craft professionals aren't just skilled in a trade, but they are also #artists! pic.twitter.com/IF9sYQG9Et

about 17 hours ago

@educationgadfly study shows students in #Arkansas w. greater exposure to #CTE are more likely to graduate ow.ly/10xuq

about a day ago

Instead of Raising Wage, Focus on Workforce
- read the blog here: ow.ly/10xu4g
pic.twitter.com/5Lvp6qF7x6

about 2 days ago

What sort of digging projects do you have planned for this weekend? #call811 ow.ly/10sKjy

about 5 days ago

RT @DixonDaniele PHMSA Administrator Marie Therese Dominguez speaking at API Pipeline Conference @ Omni La Costa...



PHMSA'S Operator Qualification Enforcement Guidance Document

December 7, 2015

Subparts listed: § 192.805(h), § 195.505(h)

Each operator shall have and follow a written qualification program. The program *shall* include provisions to:

(h) After December 16, 2004, provide *training*, as appropriate, to ensure that individuals performing covered tasks have the necessary *knowledge and skills* to perform the tasks in a manner that ensures the safe operation of pipeline facilities;





Why Train?





- PHMSA: estimates 150,000 based on Dun & Bradstreet Study
- API: estimates actual number to be closer to half a million
- Exacerbating these statistics: skilled worker shortage



CHANGING DEMOGRAPHICS





The REALITY (Aging Workforce - Construction)

Age Distribution Of Employed Construction Workers 2000 & 2011 (Annual Average)

Age Group	% of Employed Construction Workers	
	2000	2011
Total, 16 and older	100.00%	100.00%
16-19	3.50%	1.40%
20-24	10.40%	7.20%
25-34	25.20%	25.00%
35-44	29.90%	24.90%
45-54	20.50%	24.60%
55-64	8.50%	13.70%
65 years and older	1.90%	3.10%

Source: Bureau of Labor Statistics, Current Population Survey

An estimated

17%

of the construction workforce will retire in the next 5 years

THE STANDARD FOR DEVELOPING CRAFT PROFESSIONALS

WHY TRAIN?



The Construction Industry Institute (CII) study assumes an investment of 1.0% of the total project budget for wages / labor

Construction	AVERAGE IMPROVEMENT		
CII RT 231 SUMMARY	CAPITAL PROJECT	MAINTENANCE PROJECT	
Productivity	11 %	10 %	
Turnover Cost	14 %	14 %	
Absenteeism	15 %	15 %	
Injury	26 %	27 %	
Rework	23 %	26 %	

SOURCE: Construction Industry Institute (CII). RT231-1 "Construction Industry Craft Training in the United States & Canada" (Aug 2007)



Workforce Trends – skills crisis

HARDEST JOBS TO FILL









For the FOURTH consecutive year, skilled trades are the hardest jobs to fill.









Conclusion



PLANNING FOR THE FUTURE



"Recruiting craft labor and project management has challenged the industry for some time. Our response has been to work with trade schools and community colleges, secure government grants and develop worker training programs".

Mike McMahon, President Day & Zimmerman, Inc. Philadelphia, PA





NCCER TRAINING = RESULTS





Craft Hotline - Tel: 866 460 4550

ProEnergy HEAVY INDUSTRIAL SERVICES

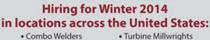


• Millwrights

· Journeymen Electricians

• Pipefitter Helpers

Millwright Helpers



- Combo Welders
- Boiler Tube Welders
- Structural Welders
- Boilermakers
- Pipefitters
- Iron Workers/Riggers
- Helpers/Laborers Some jobs require NCCER, TWIC & Basic Plus. OSHA Certifications preferred.

Email resumes to HICRAFT@proenergyservices.com

Become a ProEnergy Certified Welder

Call 660.596.7088 to schedule your weld test or assessment.

ProEnergy

For more information, visit our career center at proenergyservices.com



at our

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Headquarters in

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Houston, Texas.

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SAMSUNG

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Combo Welders

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PCL Industrial Construction Co. Offers:

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HE STANDARD FOR DEVELOPING CRAFT P



THANK YOU

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