

Attracting and Retaining a New Generation of Regulators and Contractors: PEI Education Center & Technical Certification

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National Tanks Conference September 25, 2025 Spokane, WA





Agenda

- Workforce Development
- PEI Education Center
- Technical Certification Program
- Questions





Scott Boorse Bio

PEI Vice President of Technical Programs & Industry Affairs

- 35+ years of industry experience
- 7+ years at PEI
- Over 20 years in retail fueling for a major C-Store chain (Wawa)
- 8+ years as a consultant (domestic & international)
- Geologist with an MBA





PEI Workforce Development



> Skilled Trades: A widespread shortage already a critical

Potential \$1 trillion hit to U.S. economy

economic issue

- > U.S. construction industry needs **439,000 – 725,000** additional workers to meet *current* demand.
 - Electricians, plumbers, HVAC, etc.

PEI Workforce Development

The problem





The problem

- Demand is outpacing replacement
 - > Expected to grow at 4.7%/yr over next 10
- ➤ U.S. construction industry needs hundreds of thousands in the coming years!!
 - Less than that entering workforce
- Multiple factors affecting shortage



The problem

> Aging workforce:

- ✓ Many entering retirement years
- √ 41% of current construction workforce to retire by 2031
- > Negative perception of trades:
 - Many perceive skilled trades as less prestigious
- > Evolving skill requirements:
 - ✓ Technical jobs require advanced, specialized training



The problem

> Strained training pipelines:

✓ Shortage of instructor's limits capacity to train new entrants to meet demand.

> Competition from other sectors :

✓ Construction competes for talent with other sectors – manufacturing, transportation, etc.

Increased demand driven by infrastructure projects

- ✓ Federal investments in infrastructure,
- ✓ Renewable energy and,
- ✓ Demand for data centers.







PEI Education Center



Why?

Part of PEI's mission is to be the leading authority for education within the energy handling equipment industry.

- An <u>industry training resource</u> for PEI members for workforce development.
 - The <u>focus</u> is to support the learning and development of our members, non-members and the industry.
- Develop a career path for NTI
- Obtain basic knowledge
 - Core competency







Overview

- Online training platform to educate the Next Generation
 - ✓ flexible instruction that provides industry content
 - ✓ caters to all learning styles
 - ✓ eLearning coursework to support technical aspects
- Courses based on industry recognized PEI content



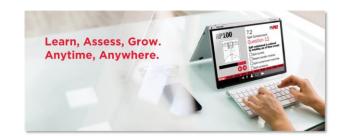


Overview

Independent learning to train the NTI



- Small chunks over 1 2 weeks
- Combine with on-the-job experience
- Scientific teaching for retention
 - Audible Visual Kinesthetic
 - 80% better retention





Overview

- Established course bundles to meet needs
- es
 - HS Prep Onboarding Install
 & Removal Inspect & Test
 - Recommended Practice Core Competency
 - * Technical Certification new
- Leads to a PEI Technical Certification



Overview

- Developed over past 3 years

- ✓ More than 1,200 users
- ✓ Over 660 courses completed
- ✓ EHE 101 & 102 best selling
- ✓ Established specialty courses
- ✓ Built for the Industry by the Industry









What Else?

- ☐ Six (6) additional RP courses
 - 600, 700, 800, 1000, 1300 & 1400
- Individual specialty certification
- Must have PEI Technical Certification
- Specialty badge



Demonstration

- > Accessed via the PEI website

- ✓ Log in to PEI.org
- ✓ Under Education
 - ✓ Select PEI Education Center
 - ✓ Watch short video
 - ✓ Click

Visit the PEI Education Center

- When PEI Education Center Opens
 - ✓ View and select courses
- Demonstration





PEI Technical Certification



The PEI Technical Certification Program is designed to:

- Provide consistent relevant training
- Prepare the next generation in 5 easy steps
- 3. Deliver a skilled workforce for the energy handling equipment industry



Step One: Complete on-line course work

PEI Technical
Certification
Program

Step 1

- ✓ Pass 8 Online Courses 80% or better
 - Two Introduction Courses
 - EHE 101: Introduction to Energy Handling Equipment
 - EHE 102: Introduction to Repair and Maintenance of Energy Handling Equipment
 - Six Recommended Practices
 - RP 100, 200, 500, 900, 1200 & 1700





Step 2

Step Two: Complete API WorkSafe Program

- Complete API WorkSafe course
 - > API 1646
- Score 80% or better
- Submit certificate with application



Step 3

Step Three: Complete 1200 Hours of on-the-job training

- √ 100 Hours of Installation & Removal Activities
- ✓ 100 Hours of Service & Maintenance Activities
- √ 1000 Hours to be spent performing installation and/or maintenance duties appropriate to the job





Step 4

Step Four: Complete & Submit Application

- ✓ Complete the PEI Technical Certification on-line application
- ✓ Document on-the-job work
- ✓ Upload and submit information to PEI Education Team



Step Five: Supervisor & PEI Verification



PEI Technical Certification Program

Step 5

- ✓ Supervisor verifies on-the-job work
 - Must be a PEI member company
- ✓ Supervisor signs application and
- ✓ PEI Education Team verifies info
- ✓ After successful verification certification issued





Timeline

Timeline for Roll Out – 2025/2026

- Pilot Program Underway
 - Seeking regulatory participation
- Implement certification 2026
- Anticipated roll-out mid year 2026





Workforce Development

In Summary

PEI Education Center & Demo

Technical Certification Program





Questions

Thank you for your time and attention!

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