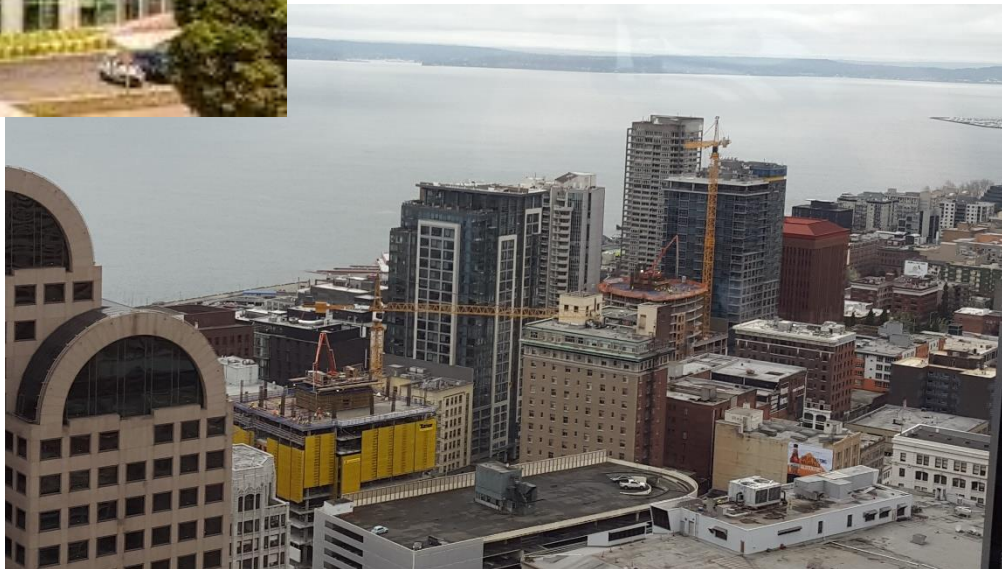


Construction Center of Excellence

Pacific NorthWest Economic Region
26th Annual Summit
July 17-21, 2016



The Construction Center of Excellence is a national model in developing partnerships among business, industry, labor and education for the purpose of enhancing economic and workforce development initiatives to meet the current and future needs of the construction industry.



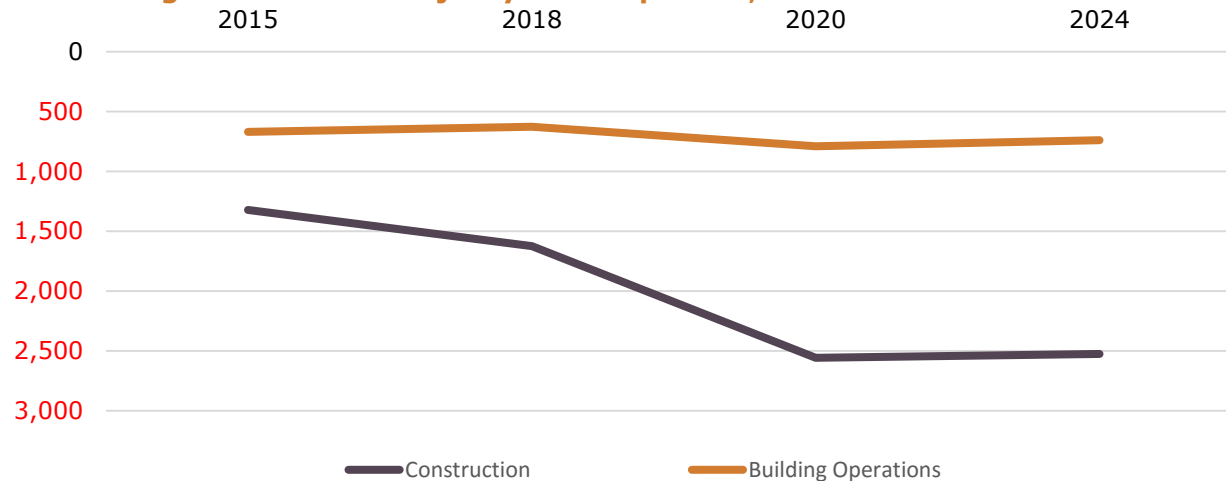
State of the Industry

What the data shows:

The majority of professionals interviewed were adamant that the supply of workers is low enough to constitute an acute shortage. This is largely driven by the lack of replacement workers entering the industries. Figure 2 shows that if training programs continue to produce the same amount of workers, virtually all occupations will face labor shortages.

CONSTRUCTION overall in Washington State has a projected growth of 3.02% between now and 2024, making it one of highest demand industries.

Figure 2: Shortages Evident for Majority of Occupations, Seattle MSA 2015 - 2024



Source: EMSI 2015.4; QCEW, non-QCEW; Washington State Career Bridge

Construction laborers face the largest gap with a potential shortage of over 900 workers in 2024. Similar projections are seen for Carpenters (-590), Electricians (-322), Plumbers (-239), and Construction Foremen and Superintendents (-218). Maintenance and Repair Workers, or building engineers, see the largest gap (-513) among building operations professions. Assistant and Chief Engineers (-209) and HVAC Mechanics and Installers (-100) are also expected to require additional workers. The shortage is stretching the current workforce to its limits, and building operators in particular are concerned about the threat shortages holds for the overall skill level of its employees.

Sustainable Building Operations

Sustainable Building Operators Workforce Challenges:

- ▶ Variety of Job Descriptions
- ▶ Current and Future Labor Shortages
- ▶ Retirement impact
- ▶ Increase need for IT and Communication skills
- ▶ Limited training programs
- ▶ No defined career path
- ▶ Diversity of the workforce

So what?

- ▶ Sustainable Buildings unable to meet performance goals
- ▶ New buildings not built to standard
- ▶ Cybersecurity risks
- ▶ Policy goals not met
- ▶ Cost to owner/occupants (equipment damaged, etc)
- ▶ Negative publicity for sustainable building

Solutions

Construction Center of Excellence is forming a statewide consortium: “Sustainable Building Operations WA”

- ▶ Includes key stakeholders from different areas of industry, policy makers, educators
- ▶ Identify and define occupation and job titles
- ▶ Develop clear career path
- ▶ Conduct skills gap analysis
- ▶ Develop curriculum and identify training providers
- ▶ Create pilot program to provide on the job training and introduction to this career path
- ▶ Increase access to diverse, nontraditional and community populations

Questions



Shana Pesccek, Director

speschek@rtc.edu

425-235-2352x5582

www.constructioncenterofexcellence.com