



**KEY FACTS**

**UNPRECEDENTED OPPORTUNITY:  
MEETING THE WORKFORCE DEMANDS OF NEW CLEAN ENERGY,  
MANUFACTURING, AND INFRASTRUCTURE INVESTMENTS**

The combined historic investments of three new federal laws—the Inflation Reduction Act, the Bipartisan Infrastructure Law, and the CHIPS and Science Act—will create millions of new jobs, though not enough has been invested in education and training to equip

workers with the skills they need to succeed. Here are several key facts from a new study commissioned by National Skills Coalition and BlueGreen Alliance and conducted by the University of Massachusetts Amherst Political Economy Research Institute.

**2.9 MILLION** Total jobs per year expected to be generated by investments from the Inflation Reduction Act, the Bipartisan Infrastructure Law, and the CHIPS and Science Act programs

**19 MILLION** Total job years expected to be generated by these three investments

**2 IN 3** Ratio of jobs directly created by these three investments that are expected to occur in the construction and manufacturing sectors, representing 453,000 jobs and 230,000 jobs annually, respectively

**69%** Percentage of jobs created by these three investments available to workers without a bachelor's degree

**48** Number of occupations expected to experience increases in demand due to these three investments, all of which have skills requirements

**\$26.20** Median hourly wage of jobs created by these three investments—10.5 percent higher than the median hourly wage of \$23.70 for the entire U.S. workforce

**20** Number of occupations that will likely experience significant labor shortages—with the construction sector having the highest concentration of these potential shortages

**1.1 MILLION** Anticipated labor shortage of workers who—without training and other workforce investments—will lack the skills to fill these infrastructure-related jobs

**10%** Percentage of women in 10 of the 20 infrastructure-related occupations with estimated labor shortages, compared to 47 percent in the entire U.S. workforce

**< 39%** Percentage of people of color in 15 of the 20 investment-related occupations with estimated labor shortages, compared to 39% of the entire U.S. workforce





## WHAT SHOULD WE DO?

These historic investments will transform America's physical landscape and create millions of jobs. This is a once-in-a-generation opportunity to strengthen the backbone of our economy—the blue collar, middle-class jobs that require skills training. The job opportunities created by these investments are a tremendous opportunity for workers in fields and occupations that require education or training past high school, but not a four-year degree. But to realize the possibilities, our nation must build a diverse, multi-generation infrastructure workforce. Specifically, we must:

- **Invest in inclusive education and training programs through pre-apprenticeship and apprenticeship programs**, and postsecondary education programs, and economic supports like child care and transportation, especially for women and workers of color.

- **Diversify the infrastructure workforce** through industry partnerships and local hiring initiatives that support recruitment, retention, and career advancement for people of color and women in infrastructure sectors.
- **Elevate job standards and enhance worker protections** by advancing policies and strategies that protect workers' rights to organize, help workers advance to higher-skill and high-paid occupations, and boost health coverage and retirement benefits, among other job quality supports.

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Read the full data brief from the National Skills Coalition and BlueGreen Alliance at [nationalskillscoalition.org](https://nationalskillscoalition.org).



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The National Skills Coalition fights for inclusive, high-quality skills training so that people have access to a better life, and local businesses see sustained growth. We engage in analysis and technical assistance, organizing, advocacy, and communications to improve state and federal skills policies. Learn more at [nationalskillscoalition.org](https://nationalskillscoalition.org) and follow us [@skillscoalition](https://twitter.com/skillscoalition).



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The BlueGreen Alliance unites labor unions and environmental organizations to solve today's environmental challenges in ways that create and maintain quality jobs and build a clean, thriving, and equitable economy. Learn more at [bluegreenalliance.org](https://bluegreenalliance.org) and follow us [@BGAlliance](https://twitter.com/BGAlliance).