

Minority and Female Employment: Regional Forecasts for the Oil & Gas and Petrochemical Industries

Prepared for the American Petroleum Institute, API

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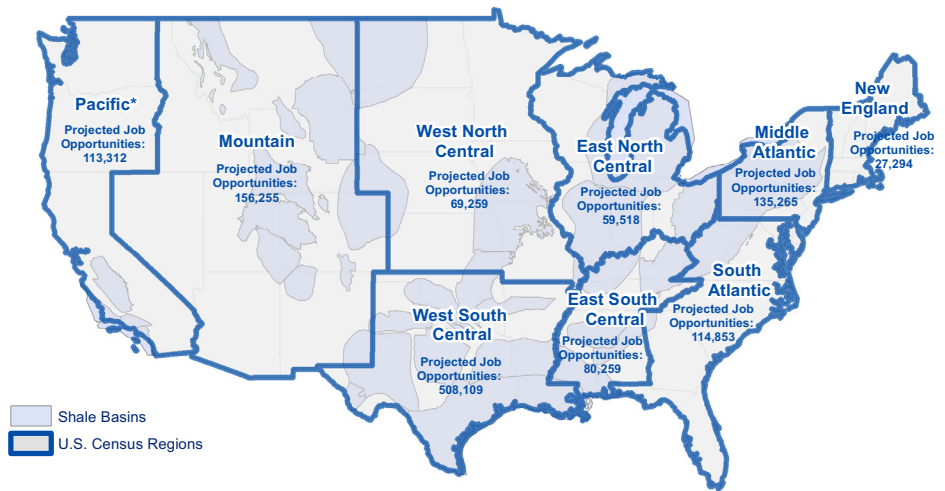


KEY FINDINGS

This report projects job opportunities in the oil and gas and petrochemical industries through 2030 across the nine U.S. Census regions. It is a supplement to the recently released IHS report on minority and female employment in these industries. The study estimates **over 950,000 job opportunities** by **2020** and **nearly 1.3 million opportunities** through **2030** in the oil and natural gas and petrochemicals industries considering all types of job growth. These job opportunities are projected to be available across all areas of the country.

- The West South Central Region is projected to have the most growth, totaling **more than 508,000 job opportunities**, or **40% of total U.S. job opportunities through 2030**.
- Four additional regions are projected to each have **over 100,000 job opportunities**—Middle Atlantic, South Atlantic, Mountain, and Pacific.
- The New England, East South Central, East North Central, and West North Central regions will combine to contribute **over 236,000 job opportunities**.

Total Projected Job Opportunities by U.S. Census Region, 2010-2030



1.3 million

Projected Job Opportunities

by 2030 in the oil and natural gas and petrochemicals industries across all areas of the country.



Job Opportunities by Occupation

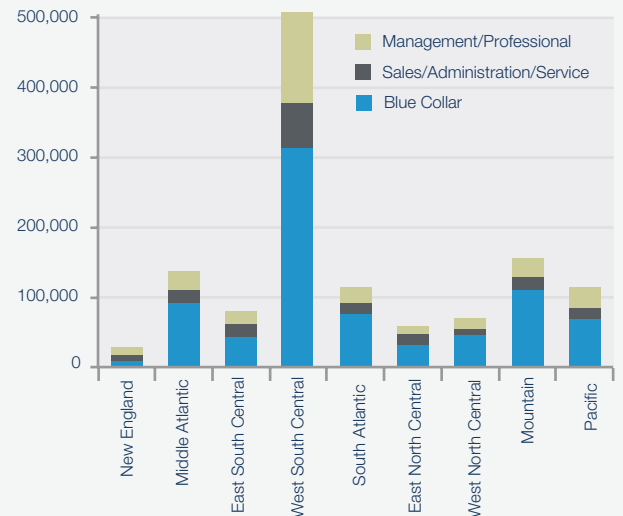
The study looks at employment in each region in eight broad occupation categories; the adjacent bar chart combines these categories into three broad groups to illustrate regional differences.

These results show:

- In all regions but one, nearly 60% or more of the employment opportunities are projected to be in blue collar occupations, many of which will be skilled and semi-skilled. This suggests tremendous opportunity for workers with a high-school diploma and some post-secondary training.
- There are also significant job opportunities across all regions in management and professional jobs, requiring training in fields such as engineering, geoscience, management, business and finance, and as technicians.

Job Opportunities for Minority and Female Workers

- There are significant opportunities for minority and female workers in the oil and gas and petrochemical industries—these groups represent a critically vital and available talent pool to help meet the demands of the projected growth and expansion.
- The employment estimates presented in the report for African American, Hispanic, and female workers—**408,000 job opportunities for minority workers** and **185,000 job opportunities for women**—are based on current and projected trends in factors such as labor force participation rates and educational attainment. As such, these job projections should not be viewed as a ceiling. As interest and training are directed to women and minority groups, they will be competitive for **all 1.3 million job opportunities**.



Job Opportunities by Region

Differences in opportunities across the regions will be driven largely by projected changes in the composition of the labor force in each region, and also by which segments of the industry grow in each region. The share of minority employment is projected to grow in all regions. As some oil and natural gas producing regions have larger shares of African American, Hispanic, Native American, and Asian American workers, employment opportunities for minorities in these areas will be higher.

Share of Job Opportunities by Region

