

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

Prepared for the American Petroleum Institute, API

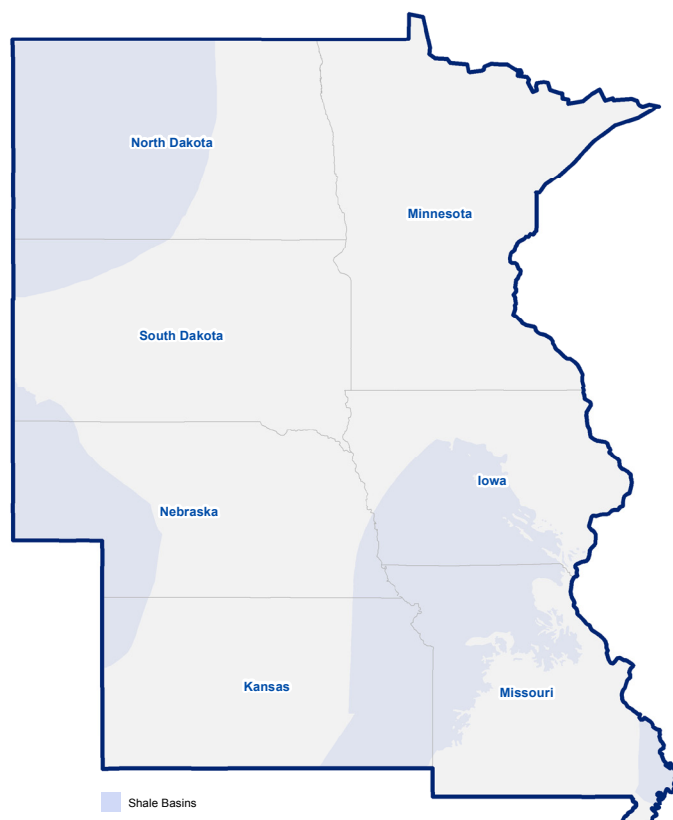
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This report projects direct job opportunities in the oil & natural gas and petrochemical industries through 2030 across the nine U.S. Census regions. It is a supplement to the recently released IHS report on minority and female employment in these industries.

KEY FINDINGS

- The **West North Central region** is projected to have over **69,000 direct job opportunities** through 2030.
- Blue collar occupations, including skilled and semi-skilled, are projected to make up **68% of employment opportunities** in the region.
- The job opportunities in the West North Central region are spread across all industry segments, with **just over half projected in the upstream sector**.
- The share of minority employment in the West North Central region is **projected to grow** through 2030.



69,259

Projected Job Opportunities

by 2030 in the oil and natural gas and petrochemicals industries in the West North Central region.



Job Opportunities by Occupation

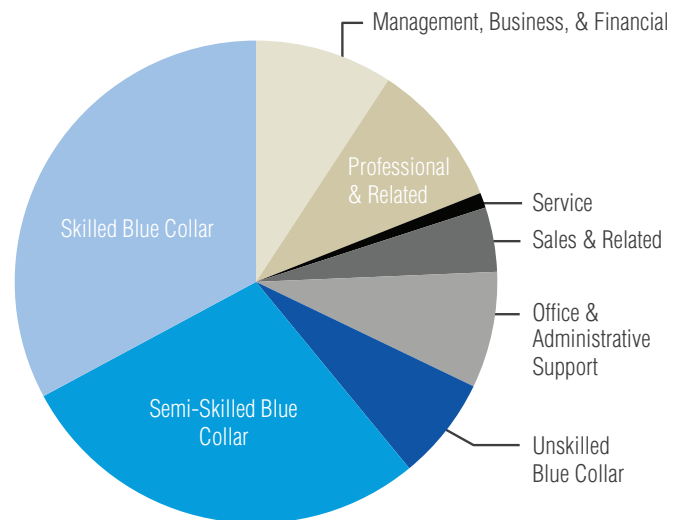
The study looks at employment in eight broad occupation categories. The pie chart at right shows how the job opportunities in the West North Central region are split between these occupation categories.

These results show:

- Blue collar occupations, most of which will be skilled and semi-skilled, are projected to make up **68% of employment opportunities** in the region. This suggests significant opportunity for workers with a high-school diploma and some post-secondary training.
- There are also significant opportunities in management and professional jobs, which make up just under **20% of the job opportunities** projected in the region. These jobs require training in fields such as engineering, geoscience, management, business and finance, and as technicians.

Job Opportunities by Segment

The upstream sector accounts for the largest share of job opportunities projected in the West North Central region—**35,000 jobs**, or **51% of total job opportunities** in the region. Job opportunities in the downstream sector, petrochemical industry, and from capital investment in the region each account for about **15% of the total opportunities** projected for the region.



Job Opportunities for Minority and Female Workers

There are significant opportunities for minority and female workers in the oil & 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 job estimates presented in this report for African American, Hispanic, and female workers 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 the more than **69,000 job opportunities** in this region.