

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

EAST NORTH CENTRAL

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 East North Central region** is projected to have almost **60,000 direct job opportunities** through 2030.
- Blue collar occupations, including skilled and semi-skilled, are projected to make up **57% of employment opportunities** in the region.
- The job opportunities in the East North Central region are spread across all industry segments, with the highest shares projected in the downstream sector and petrochemical industry. These two sectors account for **just over 60% of total projected job opportunities** in the region.
- The share of minority employment in the East North Central region is **projected to grow** through 2030.



60,000

Projected Job Opportunities

by 2030 in the oil and natural gas and petrochemicals industries in the East 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 East North Central region are split between these occupation categories.

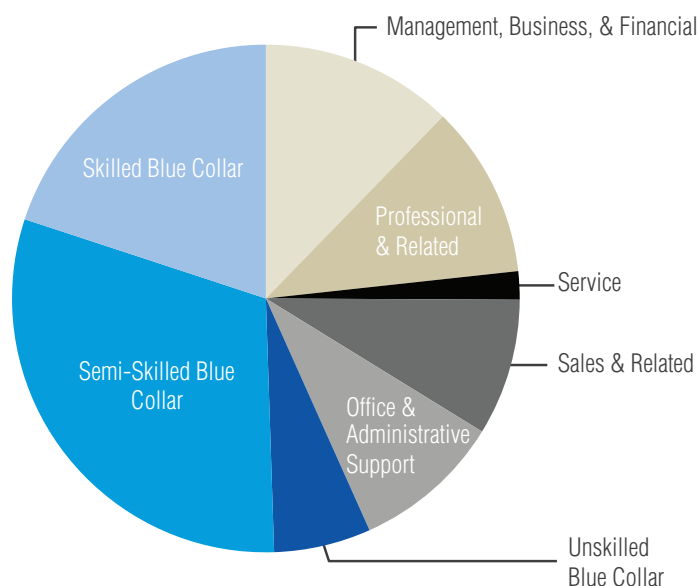
These results show:

- Blue collar occupations, most of which will be skilled and semi-skilled, are projected to make up **57% 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 **23% of the job opportunities** projected in the East North Central region. These jobs require training in fields such as engineering, geoscience, management, business and finance, and as technicians.

Job Opportunities by Segment

The downstream sector accounts for the highest share of employment opportunities projected in the East North Central (ENC) region—just over **20,000 jobs**, or **34% of total job opportunities** in the region. This is significantly higher than the share of downstream opportunities across the U.S. as a whole, where the downstream sector accounts for 11% of total opportunities. The petrochemicals industry is also significant in this region. Job opportunities in the petrochemical industry account for **27% of total opportunities** in the ENC region.

Total projected job opportunities in the study are made up of four different segments: baseline growth of industry operations, employment stimulated by capital investment, additional job gains possible under a set of pro-development policies, and job opportunities from replacement requirements. Most of the job opportunities in the East North Central region are due to replacement requirements or jobs created through capital investment.



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 nearly **60,000 job opportunities** in this region.