

Duval County Petroleum Refinery Construction: Phase 1

Input-Output Draft Analysis



| Duval County Population (2016) | 11,303 |
|--------------------------------------|----------|
| Duval County Jobs (2016) | 5,743 |
| Duval County Average Earnings (2016) | \$40,123 |

Duval County Labor Force

There are over 5,700 jobs in Duval County based off recent annual estimates. Listed are the largest occupations within the county. This is just a sample of the 456 occupations in Duval County as of 2016 employment data.

| Farmers, Ranchers, and Other Agricultural Managers | 1,110 |
|---|-------|
| Personal Care Aides | 199 |
| Home Health Aides | 189 |
| Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 139 |
| Heavy and Tractor-Trailer Truck Drivers | 134 |
| Office Clerks, General | 110 |
| Managers, All Other | 95 |
| Correctional Officers and Jailers | 92 |
| Construction Laborers | 83 |
| Roustabouts, Oil and Gas | 82 |
| Cashiers | 79 |
| General and Operations Managers | 78 |
| Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 75 |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 74 |
| Elementary School Teachers, Except Special Education | 68 |
| Industrial Machinery Mechanics | 61 |
| Detectives and Criminal Investigators | 61 |
| Childcare Workers | 58 |
| Combined Food Preparation and Serving Workers, Including Fast Food | 57 |
| Service Unit Operators, Oil, Gas, and Mining | 56 |
| Secondary School Teachers, Except Special and Career/Technical Education | 53 |
| Teacher Assistants | 53 |
| First-Line Supervisors of Construction Trades and Extraction Workers | 51 |
| Police and Sheriff's Patrol Officers | 49 |
| Bookkeeping, Accounting, and Auditing Clerks | 47 |
| Wellhead Pumpers | 47 |
| Licensed Practical and Licensed Vocational Nurses | 46 |
| Property, Real Estate, and Community Association Managers | 45 |
| First-Line Supervisors of Retail Sales Workers | 44 |
| Electricians | 43 |
| Middle School Teachers, Except Special and Career/Technical Education | 41 |
| Registered Nurses | 40 |
| Welders, Cutters, Solderers, and Brazers | 39 |
| Laborers and Freight, Stock, and Material Movers, Hand | 38 |
| Substitute Teachers | 37 |
| Maintenance and Repair Workers, General | 37 |
| Operating Engineers and Other Construction Equipment Operators | 36 |
| Retail Salespersons | 34 |
| Maids and Housekeeping Cleaners | 33 |
| Nursing Assistants | 31 |
| Carpenters | 28 |
| Chief Executives | 25 |
| Real Estate Sales Agents | 25 |
| Nonfarm Animal Caretakers | 25 |
| Accountants and Auditors | 24 |
| Sales Representatives Services All Other | 24 |





The refinery project, which Raven Petroleum wants to start building in 2017 and open by the end of 2018, would create about 350 permanent jobs and 1,800 temporary construction positions.

Oil and Gas Pipeline and Related Structures Construction

Oil and Gas Pipeline and Related Structures Construction (NAICS 237120):

This industry comprises establishments primarily engaged in the construction of oil and gas lines, mains, refineries, and storage tanks. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to oil and gas pipeline and related structures construction. All structures (including buildings) that are integral parts of oil and gas networks (e.g., storage tanks, pumping stations, and refineries) are included in this industry.

Illustrative Examples:

Distribution line, gas and oil, construction

Oil refinery construction

Gas main construction

Petrochemical plant construction

Initial:

This number represents the initial change in jobs as input by the user, and therefore does not include ripple effects. If a user has made the input in terms of jobs, this figure will match exactly what the user entered. If in terms of earnings or sales, this number will represent the conversion to jobs from those other terms.

Direct:

The effect of new input purchases by the initially changed industries. This is the first round of impacts (see "Indirect"). This change is due to inter-industry effects.

Indirect:

The subsequent ripple effect in further supply chains resulting from the direct change. In more awkward terms, this shows the sales change in the supply chains of the supply chain, as a result of the direct change. This is the sum of the second and subsequent rounds of impact (see "Direct"). This change is due to inter-industry effect.

Induced:

This change is due to the impact of the new earnings, investment, and government created by the initial, direct, and indirect changes. Induced effects enter the economy as employees spend their paychecks in the region, businesses invest to grow their operations, and government spends more to support the changes.



Corpus Christi MSA adding 1,800 jobs to Oil and Gas Pipeline and Related Structures Construction

| 1,800 | 622 | 154 | 953 |
|-----------------|-----------------|-----------------|-----------------|
| Initial | Direct | Indirect | Induced |
| 1.00 Multiplier | 0.35 Multiplier | 0.09 Multiplier | 0.53 Multiplier |

San Antonio MSA adding 1,800 jobs to Oil and Gas Pipeline and Related Structures Construction

| 1,800 | 418 | 140 | 1,014 |
|-----------------|-----------------|-----------------|-----------------|
| Initial | Direct | Indirect | Induced |
| 1.00 Multiplier | 0.23 Multiplier | 0.08 Multiplier | 0.56 Multiplier |

Laredo MSA adding 1,800 jobs to Oil and Gas Pipeline and Related Structures Construction

| 1,800 | 241 | 45 | 409 |
|-----------------|-----------------|-----------------|-----------------|
| Initial | Direct | Indirect | Induced |
| 1.00 Multiplier | 0.13 Multiplier | 0.03 Multiplier | 0.23 Multiplier |

Combined Effect on jobs from adding 1,800 jobs to Oil and Gas Pipeline and Related Structures Construction *

| 1,800 | 609 | 201 | 1,458 |
|-----------------|-----------------|-----------------|-----------------|
| Initial | Direct | Indirect | Induced |
| 1.00 Multiplier | 0.34 Multiplier | 0.11 Multiplier | 0.81 Multiplier |

^{*}Combined regions of the Corpus Christi, San Antonio and Laredo MSA's

1,800 Initial Jobs

1.00 Multiplier

| | 0 | | | 0 |
|---|-------------------|----------------|---------------|----------|
| Name | Corpus Christi | San Antonio | Laredo MSA | Combined |
| Name | MSA | MSA | IVISA | Regions |
| Construction Laborers | 310 | 411 | 682 | 339 |
| Welders, Cutters, Solderers, and Brazers | 179 | 46 | 27 | 169 |
| Operating Engineers and Other Construction Equipment Operators | 126 | 171 | 78 | 135 |
| First-Line Supervisors of Construction Trades and Extraction Workers | 93 | 123 | 132 | 101 |
| Heavy and Tractor-Trailer Truck Drivers | 88 | 65 | 29 | 83 |
| Roustabouts, Oil and Gas | 82 | 27 | 23 | 69 |
| Pipelayers | 75 | 103 | 76 | 99 |
| Plumbers, Pipefitters, and Steamfitters | 73 | 60 | 64 | 71 |
| Office Clerks, General | 61 | 44 | 47 | 51 |
| Construction Managers | 40 | 72 | 73 | 45 |
| General and Operations Managers | 39 | 27 | 21 | 31 |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 35 | 27 | 19 | 30 |
| Maintenance and Repair Workers, General | 28 | 15 | 10 | 25 |
| Carpenters | 26 | 73 | 131 | 30 |
| Mobile Heavy Equipment Mechanics, Except Engines | 24 | 18 | 10 | 23 |
| Bookkeeping, Accounting, and Auditing Clerks | 23 | 18 | 11 | 20 |
| HelpersProduction Workers | 23 | 19 | 7 | 24 |
| Laborers and Freight, Stock, and Material Movers, Hand | 22 | 14 | 11 | 0 |
| HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters | 21 | 24 | 15 | 20 |
| Civil Engineers | 17 | 4 | 3 | 15 |
| Control and Valve Installers and Repairers, Except Mechanical Door | 16 | 5 | 4 | 15 |
| Earth Drillers, Except Oil and Gas | 15 | 50 | 11 | 23 |
| Excavating and Loading Machine and Dragline Operators | 15 | 37 | 5 | 17 |
| Cost Estimators | 13 | 15 | 9 | 12 |
| Sales Representatives, Services, All Other | 13 | 8 | 4 | 10 |
| HelpersExtraction Workers | 12 | 5 | 9 | 10 |
| HelpersInstallation, Maintenance, and Repair Workers | 12 | 8 | 11 | 11 |
| Crane and Tower Operators | 11 | 7 | 3 | 11 |
| Accountants and Auditors | 10 | 7 | 5 | 8 |
| Industrial Machinery Mechanics | 10 | 4 | 2 | 0 |
| Landscaping and Groundskeeping Workers | 10 | 8 | 7 | 9 |
| Septic Tank Servicers and Sewer Pipe Cleaners | 9 | 5 | 4 | 9 |
| Cement Masons and Concrete Finishers | 8 | 17 | 9 | 8 |
| First-Line Supervisors of Mechanics, Installers, and Repairers | 8 | 4 | 2 | 7 |
| Riggers | 8 | 2 | 2 | 7 |
| Surveying and Mapping Technicians | 8 | 6 | 10 | 2 |
| Installation, Maintenance, and Repair Workers, All Other | 8 | 5 | 3 | 7 |
| Painters, Construction and Maintenance | 7 | 32 | 57 | 11 |
| Service Unit Operators, Oil, Gas, and Mining | 7 | 3 | 0 | 7 |
| First-Line Supervisors of Production and Operating Workers | 7 | 4 | 4 | 7 |
| Structural Iron and Steel Workers | 7 | 10 | 9 | 7 |



| Corpus Christi MSA | San Antonio MSA | Laredo MSA | Combined Regions |
|--------------------|-----------------|-----------------|------------------|
| 622 | 418 | 241 | 609 |
| Direct | Direct | Direct | Direct |
| 0.35 Multiplier | 0.23 Multiplier | 0.13 Multiplier | 0.34 Multiplier |

| Name | Corpus Christi MSA | San Antonio MSA | Laredo MSA | Combined Regions |
|---|--------------------------|-----------------------|---------------|---------------------|
| Retail Salespersons | 93 | 53 | 44 | 84 |
| First-Line Supervisors of Retail Sales Workers | 35 | 21 | 16 | 33 |
| Cashiers | 30 | 18 | 12 | 30 |
| Heavy and Tractor-Trailer Truck Drivers | 26 | 22 | 14 | 31 |
| Door-to-Door Sales Workers, News and Street Vendors, and Related Workers | 22 | 13 | 8 | 18 |
| Office Clerks, General | 12 | 8 | 6 | 13 |
| Stock Clerks and Order Fillers | 11 | 7 | 4 | 10 |
| Laborers and Freight, Stock, and Material Movers, Hand | 11 | 8 | 5 | 0 |
| Sales Representatives, Wholesale and Manufacturing, Except Technical | 10 | 9 | 4 | 11 |
| Welders, Cutters, Solderers, and Brazers | 10 | 4 | 1 | 7 |
| General and Operations Managers | 9 | 7 | 3 | 9 |
| Customer Service Representatives | 9 | 10 | 4 | 12 |
| Real Estate Sales Agents | 8 | 5 | 3 | 7 |
| Pharmacy Technicians | 8 | 3 | 2 | 6 |
| Light Truck or Delivery Services Drivers | 8 | 4 | 2 | 6 |
| Civil Engineers | 8 | 1 | 0 | 4 |
| Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 7 | 5 | 2 | 7 |
| Sales Representatives, Services, All Other | 7 | 4 | 2 | 6 |
| Bookkeeping, Accounting, and Auditing Clerks | 7 | 5 | 2 | 7 |
| Managers, All Other | 6 | 4 | 3 | 6 |
| First-Line Supervisors of Non-Retail Sales Workers | 6 | 4 | 4 | 6 |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 6 | 4 | 2 | 6 |
| Maintenance and Repair Workers, General | 5 | 3 | 1 | 5 |
| Maids and Housekeeping Cleaners | 5 | 2 | 2 | 4 |
| Accountants and Auditors | 5 | 3 | 2 | 5 |
| Structural Metal Fabricators and Fitters | 5 | 2 | 0 | 4 |
| Lawyers | 4 | 2 | 1 | 4 |
| Waiters and Waitresses | 4 | 2 | 2 | 4 |
| Inspectors, Testers, Sorters, Samplers, and Weighers | 4 | 3 | 1 | 4 |
| Landscaping and Groundskeeping Workers | 4 | 2 | 1 | 4 |
| Tellers | 4 | 1 | 2 | 1 |
| Personal Financial Advisors | 4 | 2 | 1 | 3 |
| First-Line Supervisors of Office and Administrative Support Workers | 4 | 3 | 2 | 4 |
| Pharmacists | 4 | 2 | 1 | 3 |
| Security Guards | 3 | 2 | 2 | 3 |
| Combined Food Preparation and Serving Workers, Including Fast Food | 3 | 2 | 1 | 3 |
| Securities, Commodities, and Financial Services Sales Agents | 3 | 2 | 1 | 2 |
| Machinists | 3 | 1 | 0 | 2 |
| Automotive Service Technicians and Mechanics | 3 | 2 | 1 | 3 |
| First-Line Supervisors of Production and Operating Workers | 3 | 3 | 1 | 3 |
| Sheet Metal Workers | 3 | 2 | 0 | 2 |

| Corpus Christi MSA | San Antonio MSA | Laredo MSA | Combined Regions | |
|--------------------|-----------------|-----------------|------------------|--|
| 154 | 140 | 45 | 201 | |
| Indirect | Indirect | Indirect | Indirect | |
| 0.09 Multiplier | 0.08 Multiplier | 0.03 Multiplier | 0.11 Multiplier | |

| Name | Corpus Christi MSA | San Antonio MSA | Laredo MSA | Combined Regions |
|---|--------------------------|-----------------------|---------------|---------------------|
| Real Estate Sales Agents | 10 | 7 | 3 | 11 |
| Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 5 | 4 | 1 | 6 |
| Office Clerks, General | 4 | 3 | 1 | 5 |
| Heavy and Tractor-Trailer Truck Drivers | 4 | 4 | 2 | 6 |
| Laborers and Freight, Stock, and Material Movers, Hand | 3 | 4 | 2 | 0 |
| Property, Real Estate, and Community Association Managers | 3 | 2 | 1 | 4 |
| Customer Service Representatives | 3 | 5 | 1 | 6 |
| Maids and Housekeeping Cleaners | 3 | 2 | 1 | 3 |
| Security Guards | 3 | 2 | 1 | 3 |
| Real Estate Brokers | 3 | 2 | 1 | 3 |
| Waiters and Waitresses | 3 | 2 | 1 | 3 |
| Accountants and Auditors | 3 | 2 | 1 | 3 |
| Landscaping and Groundskeeping Workers | 3 | 2 | 1 | 3 |
| Managers, All Other | 2 | 2 | 1 | 3 |
| General and Operations Managers | 2 | 2 | 1 | 3 |
| Sales Representatives, Services, All Other | 2 | 1 | 0 | 2 |
| Photographers | 2 | 2 | 1 | 3 |
| Maintenance and Repair Workers, General | 2 | 2 | 0 | 2 |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 2 | 2 | 1 | 3 |
| Bookkeeping, Accounting, and Auditing Clerks | 2 | 2 | 1 | 3 |
| Combined Food Preparation and Serving Workers, Including Fast Food | 2 | 1 | 0 | 2 |
| Personal Financial Advisors | 2 | 2 | 0 | 2 |
| Light Truck or Delivery Services Drivers | 2 | 2 | 0 | 2 |
| Management Analysts | 2 | 1 | 0 | 2 |
| Retail Salespersons | 2 | 1 | 1 | 2 |
| Sales Representatives, Wholesale and Manufacturing, Except Technical | 1 | 2 | 0 | 2 |
| Tellers | 1 | 0 | 0 | 1 |
| Cooks, Restaurant | 1 | 1 | 0 | 1 |
| Securities, Commodities, and Financial Services Sales Agents | 1 | 1 | 0 | 1 |
| First-Line Supervisors of Office and Administrative Support Workers | 1 | 1 | 0 | 2 |
| First-Line Supervisors of Non-Retail Sales Workers | 1 | 1 | 0 | 2 |
| Lawyers | 1 | 1 | 0 | 1 |
| Welders, Cutters, Solderers, and Brazers | 1 | 0 | 0 | 1 |
| Appraisers and Assessors of Real Estate | 1 | 1 | 0 | 1 |
| Unclassified Occupation | 1 | 1 | 0 | 2 |
| Insurance Sales Agents | 1 | 1 | 0 | 1 |
| Stock Clerks and Order Fillers | 1 | 1 | 0 | 2 |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | 1 | 0 | 0 | 0 |
| Machinists | 1 | 0 | 0 | 1 |
| Inspectors, Testers, Sorters, Samplers, and Weighers | 1 | 1 | 0 | 1 |
| Civil Engineers | 1 | 0 | 0 | 0 |

| Corpus Christi MSA | San Antonio MSA | Laredo MSA | Combined Regions |
|--------------------|-----------------|-----------------|------------------|
| 953 | 1,014 | 409 | 1,458 |
| Induced | Induced | Induced | Induced |
| 0.53 Multiplier | 0.56 Multiplier | 0.23 Multiplier | 0.81 Multiplier |

| Name | Corpus Christi MSA | San Antonio MSA | Laredo MSA | Combined Regions |
|---|--------------------------|-----------------------|---------------|---------------------|
| Retail Salespersons | 46 | 45 | 27 | 67 |
| Combined Food Preparation and Serving Workers, Including Fast Food | 30 | 28 | 12 | 41 |
| Waiters and Waitresses | 28 | 24 | 15 | 36 |
| Cashiers | 26 | 27 | 14 | 40 |
| Personal Care Aides | 26 | 33 | 24 | 51 |
| Registered Nurses | 21 | 18 | 7 | 26 |
| Maids and Housekeeping Cleaners | 19 | 13 | 6 | 21 |
| Home Health Aides | 19 | 6 | 3 | 12 |
| First-Line Supervisors of Retail Sales Workers | 18 | 18 | 11 | 27 |
| Office Clerks, General | 18 | 19 | 9 | 28 |
| Childcare Workers | 17 | 13 | 8 | 21 |
| Stock Clerks and Order Fillers | 16 | 15 | 7 | 22 |
| Real Estate Sales Agents | 14 | 17 | 5 | 23 |
| Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 14 | 16 | 5 | 22 |
| Cooks, Restaurant | 13 | 12 | 6 | 18 |
| Customer Service Representatives | 11 | 20 | 5 | 27 |
| Nursing Assistants | 10 | 8 | 2 | 12 |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 10 | 12 | 4 | 17 |
| Medical Secretaries | 10 | 9 | 4 | 13 |
| General and Operations Managers | 9 | 10 | 3 | 15 |
| First-Line Supervisors of Food Preparation and Serving Workers | 9 | 9 | 4 | 13 |
| Maintenance and Repair Workers, General | 8 | 7 | 2 | 11 |
| Personal Financial Advisors | 8 | 11 | 2 | 15 |
| Cooks, Fast Food | 8 | 6 | 3 | 9 |
| Hairdressers, Hairstylists, and Cosmetologists | 8 | 8 | 4 | 12 |
| Bookkeeping, Accounting, and Auditing Clerks | 8 | 9 | 3 | 13 |
| Heavy and Tractor-Trailer Truck Drivers | 8 | 10 | 5 | 15 |
| Licensed Practical and Licensed Vocational Nurses | 7 | 7 | 2 | 10 |
| Food Preparation Workers | 7 | 7 | 4 | 11 |
| Laborers and Freight, Stock, and Material Movers, Hand | 7 | 9 | 4 | 0 |
| Teacher Assistants | 7 | 5 | 2 | 8 |
| Medical Assistants | 7 | 7 | 4 | 10 |
| Door-to-Door Sales Workers, News and Street Vendors, and Related Workers | 7 | 7 | 3 | 10 |
| Bartenders | 7 | 6 | 2 | 9 |
| Sales Representatives, Services, All Other | 7 | 6 | 2 | 9 |
| First-Line Supervisors of Office and Administrative Support Workers | 6 | 7 | 4 | 11 |
| Elementary School Teachers, Except Special Education | 6 | 7 | 2 | 10 |
| Managers, All Other | 6 | 7 | 4 | 10 |
| Automotive Service Technicians and Mechanics | 6 | 6 | 3 | 8 |
| Nonfarm Animal Caretakers | 6 | 5 | 3 | 8 |
| Landscaping and Groundskeeping Workers | 6 | 6 | 2 | 9 |

Appendix A - Data Sources and Calculations

Input-Output Data

The input-output model in this report is Emsi's gravitational flows multi-regional social account matrix model (MR-SAM). It is based on data from the Census Bureau's Current Population Survey and American Community Survey; as well as the Bureau of Economic Analysis' National Income and Product Accounts, Input-Output Make and Use Tables, and Gross State Product data. In addition, several Emsi in-house data sets are used, as well as data from Oak Ridge National Labs on the cost of transportation between counties.

Demographic Data

The demographic data in this report is compiled from several sources using a specialized process. Sources include annual population estimates and population projections from the US Census Bureau, birth and mortality rates from the US Health Department, and projected regional job growth.

Industry Data

Emsi industry data have various sources depending on the class of worker. (1) For QCEW Employees, Emsi primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

Educational Attainment Data

Emsi's educational attainment numbers are based on Emsi's demographic data and the American Community Survey. By combining these sources, Emsi interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

Infogroup Business-Level Data



Data for individual businesses is provided by Infogroup, which maintains a database of more than 16 million U.S. business entities. Note that in aggregate it will not be consistent with Emsi labor market data due to differences in definitions, methodology, coverage, and industry/geographic classification.

State Data Sources

This report uses state data from the following agencies: Alabama Department of Industrial Relations; Alaska Department of Labor and Workforce Development; Arizona Department of Administration, Office of Employment and Population Statistics; Arkansas Department of Workforce Services; California Labor Market Information Department; Colorado Department of Labor and Employment: Connecticut did not provide us with a data source: Delaware Office of Occupational and Labor Market Information, Delaware Wages 2004; District of Columbia Department of Employment Services; Florida Department of Economic Opportunity; Georgia Department of Labor, Workforce Information and Analysis, Occupational Information Services Unit; Hawaii Department of Labor and Industrial Relations, Research and Statistics Office; Idaho Department of Labor; Illinois Department of Employment Security, Employment Projections; Indiana Department of Workforce Development; Iowa Workforce Development; Kansas Department of Labor, Labor Market Information Services, Kansas Wage Survey; Kentucky Office of Employment and Training; Louisiana Department of Labor; Maine did not provide us with a data source; Maryland Department of Labor, Licensing and Regulation, Office of Labor Market Analysis and Information; Massachusetts Executive Office of Labor and Workforce Development; Michigan Department of Labor and Economic Growth, Bureau of Labor Market Information and Strategic Initiatives; Minnesota Department of Employment and Economic Development; Mississippi Department of Employment Security; Missouri Department of Economic Development: Montana Department of Labor and Industry. Research and Analysis Bureau; Nebraska Workforce Development; Nevada Department of Employment, Training and Rehabilitation, Information Development and Processing Division, Research and Analysis Bureau; New Hampshire Department of Employment Security; New Jersey Department of Labor and Workforce Development; New Mexico Department of Labor, Bureau of Economic Research and Analysis; New York Department of Labor, Division of Research and Statistics; North Carolina Department of Commerce, Labor and Economic Analysis Division; North Dakota Job Service, Labor Market Information Center; Ohio Department of Job and Family Services, Labor Market Information Division; Oklahoma Employment Security Commission; Oregon Employment Department, Oregon Labor Market Information System; Pennsylvania Department of Labor and Industry, Center for Workforce Information and Analysis; Rhode Island did not provide us with a data source; South Carolina Employment Security Commission, Labor Market Information Department; South Dakota Department of Labor, Labor Market Information Division; Tennessee Department of Labor and Workforce Development, Research and Statistics Division; Texas Workforce Commission; Utah Department of Workforce Services; Vermont did not provide us with a data source; Virginia Employment Commission, Economic Information Services; Washington State Employment Security Department, Labor Market and Economic Analysis Branch: West Virginia Bureau of Employment Programs, Research Information & Analysis Division; Wisconsin Department of Workforce Development, Bureau of Workforce Information; Wyoming Department of Employment, Research and Planning

Parameters

Regions Code Description

Timeframe

2015 - 2016



Datarun

2017.1 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors

