



Mining and Materials Sector

Department of Employment, Training & Rehabilitation

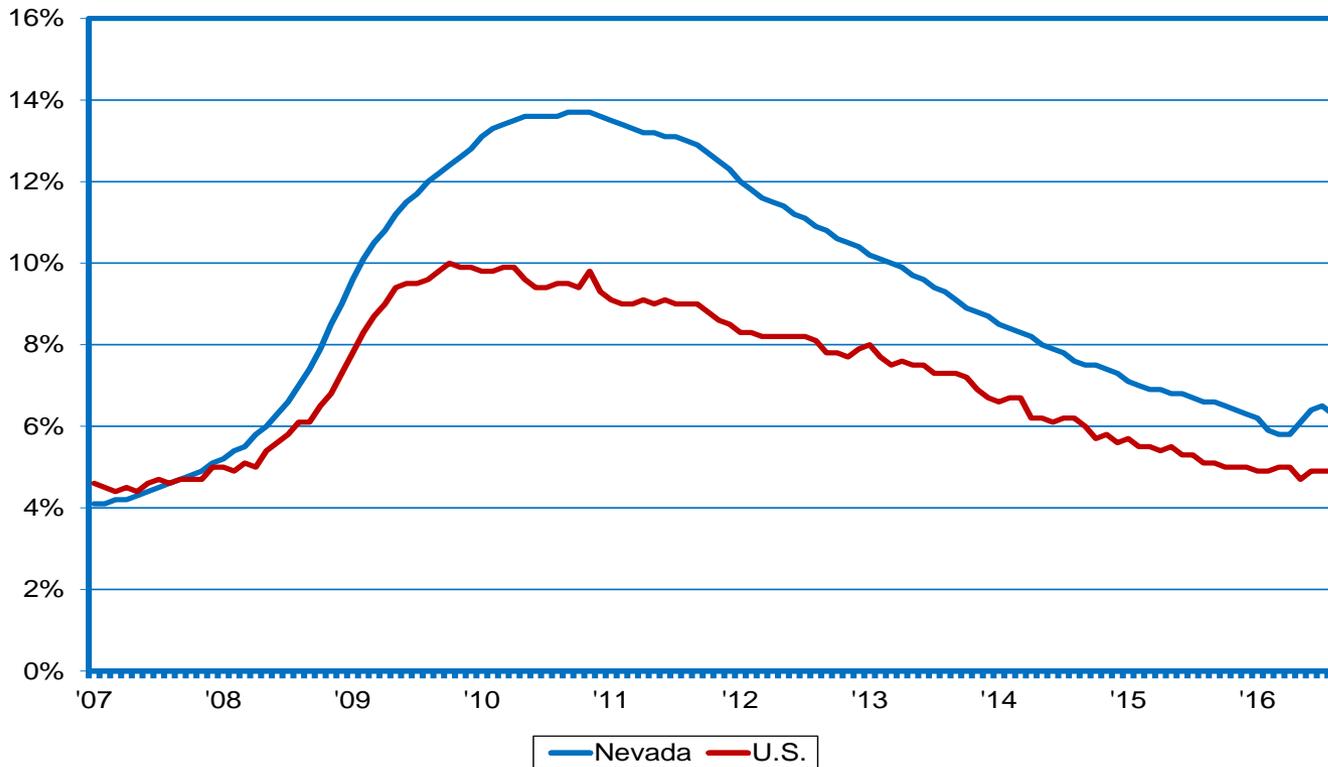
Bill Anderson, Chief Economist
Christopher Robison, Supervising Economist

Prepared by the Research and Analysis Bureau



Following 3 Months of Increases, Jobless Rate Heads Down in August

NV vs. the U.S. unemployment rate (SA)



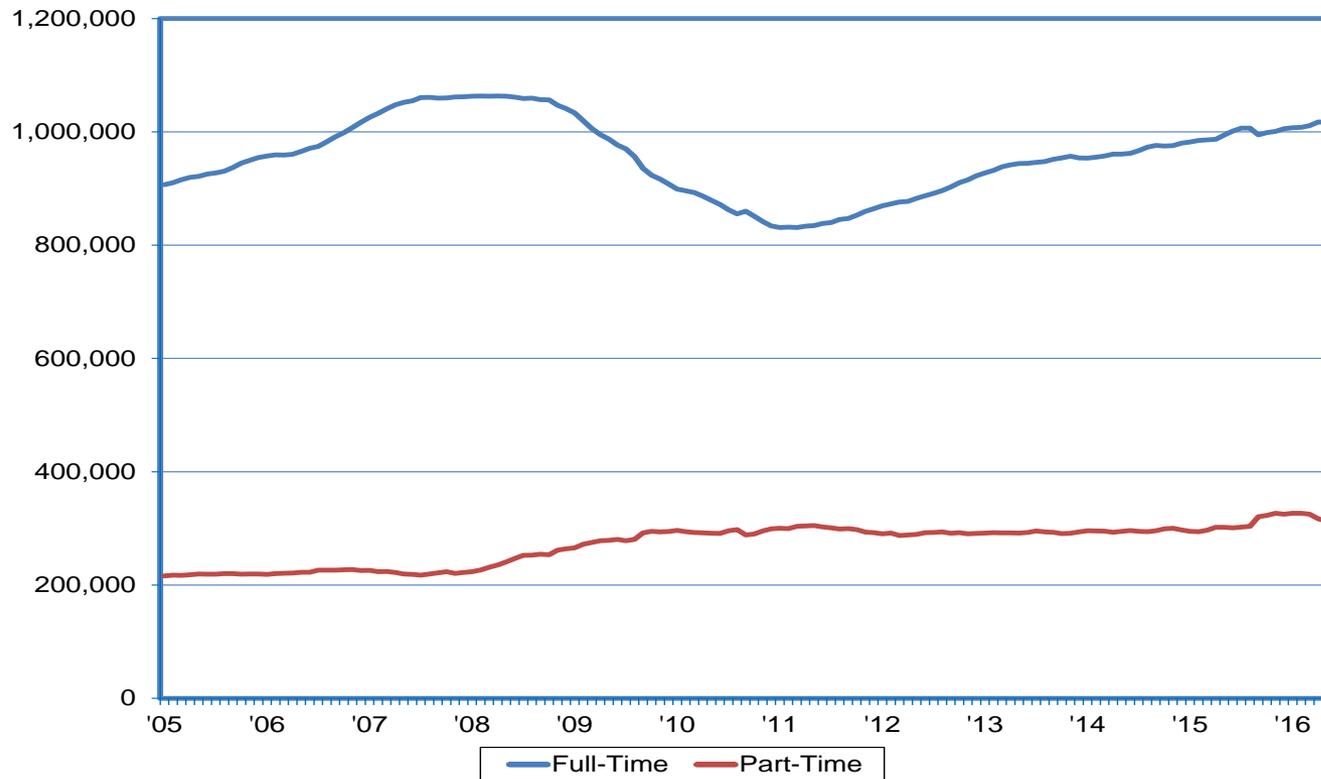
The Jobless Rate for Vets has been Lower than the Total Rate During the Recovery

unemployment rate for Nevada Vets vs. total (12-month moving average)



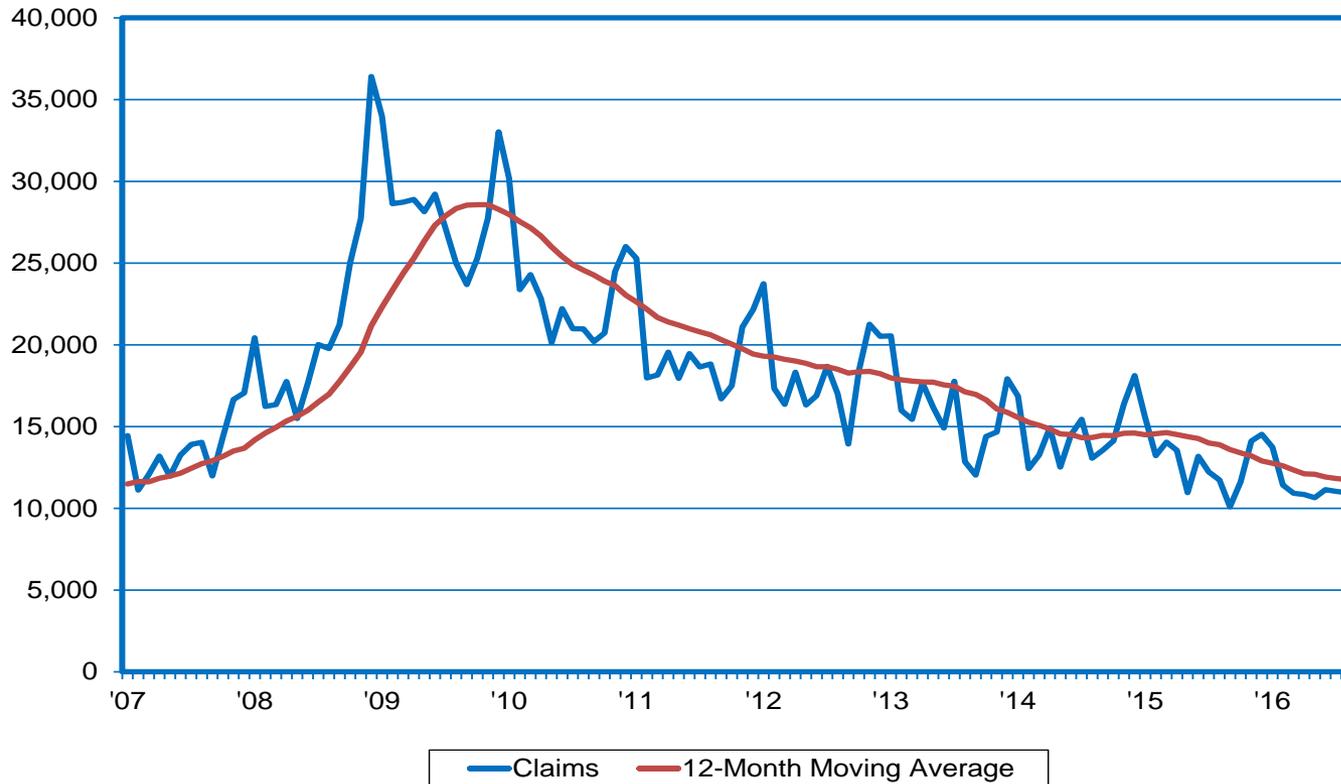
Vast Majority of Employment Growth Concentrated in Full-Time Positions

FT vs. PT employment; (12-month moving average)



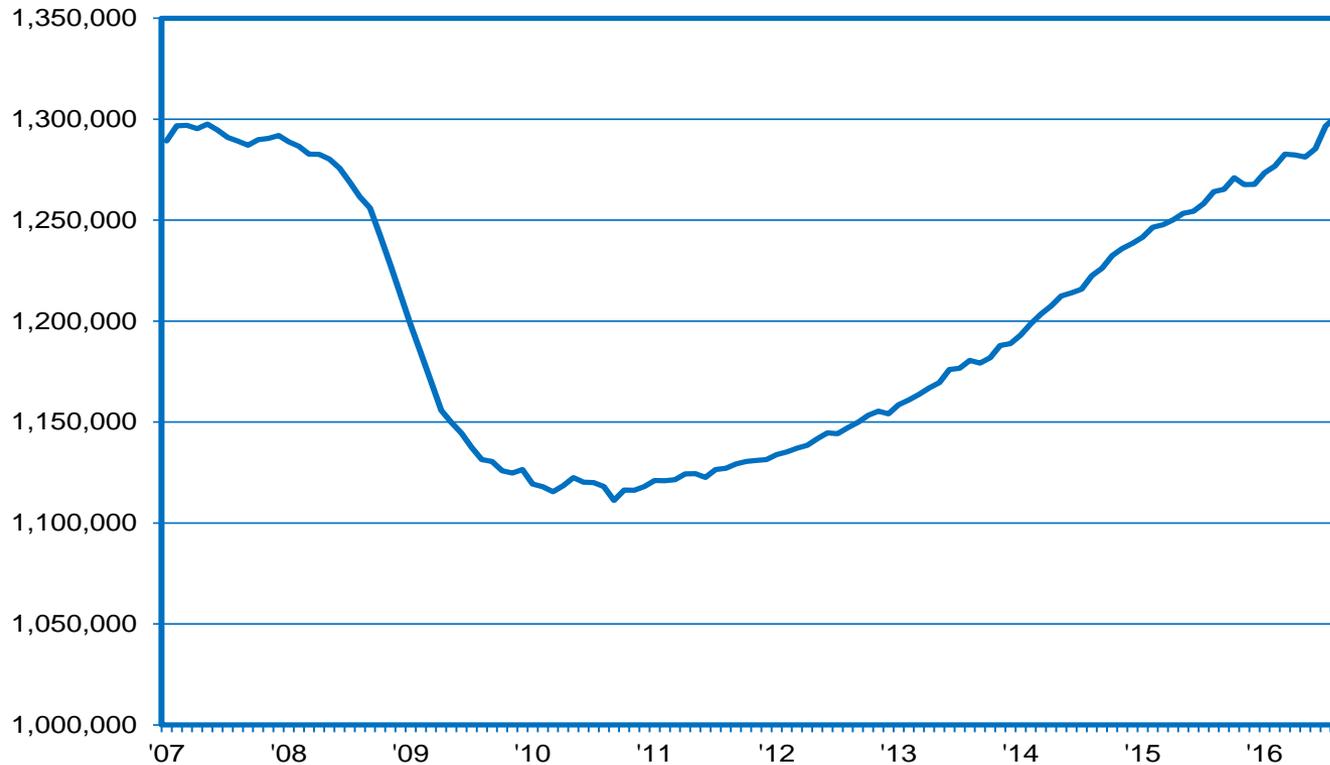
Initial Claims Remain at Lowest Levels in a Decade

initial claims for unemployment insurance



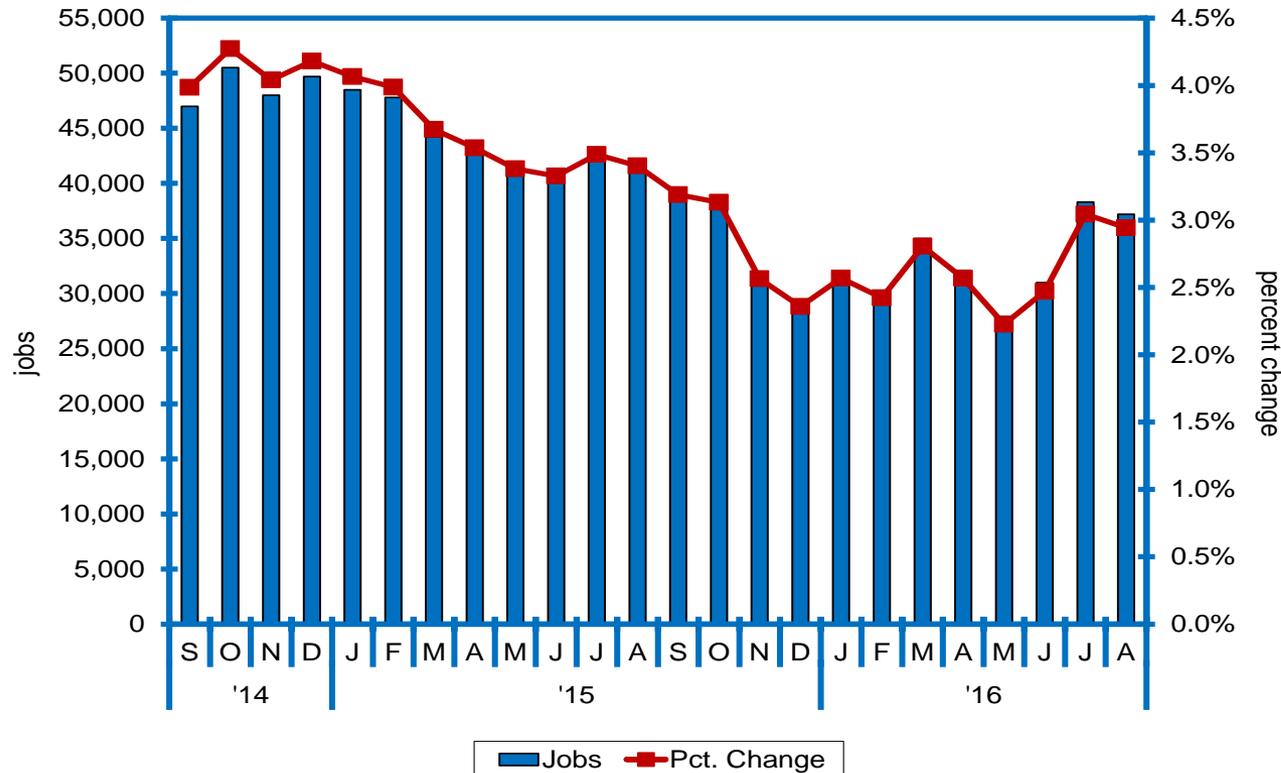
Jobs Surge in Past Few Months; Stand 37K+ Above Year Ago

nonfarm jobs in Nevada (SA)



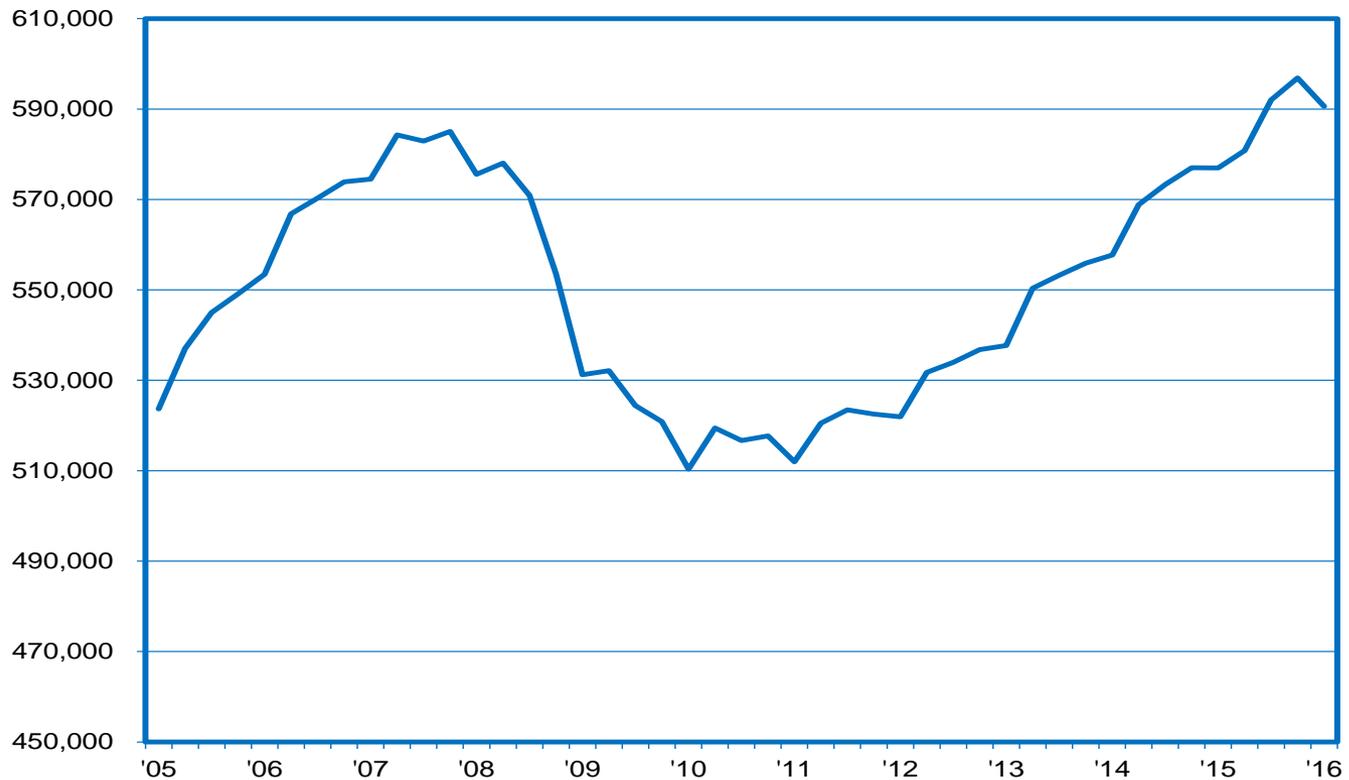
Job Growth at Strongest Pace in Nearly a Year

job growth (SA; year-over-year)



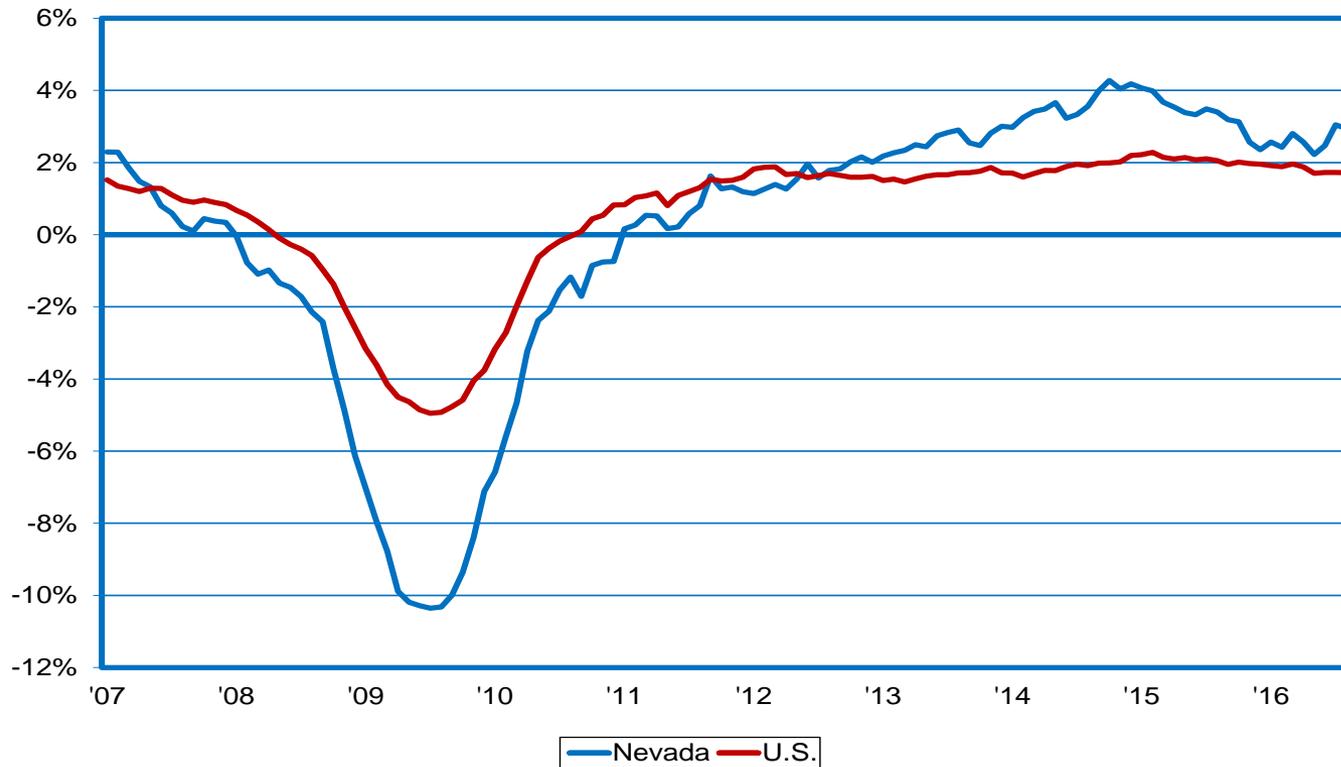
Small Biz Jobs at All-Time High for IQ; Gains Recorded in Each of Past 21 Quarters

employment in establishments with less than 100 workers



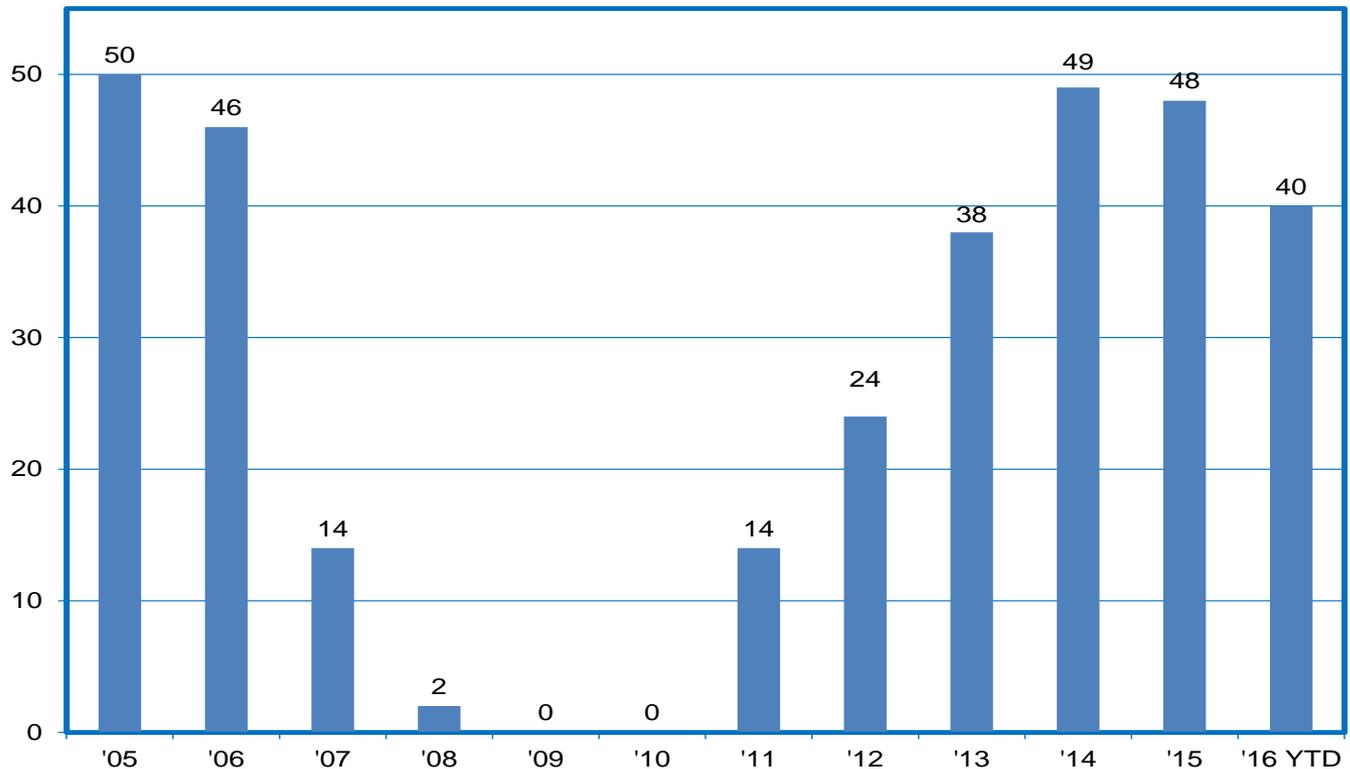
Nevada Job Growth Exceeds Nation in 49 Straight Months; 2.9% vs. 1.7% in August

job growth (year-over-year)



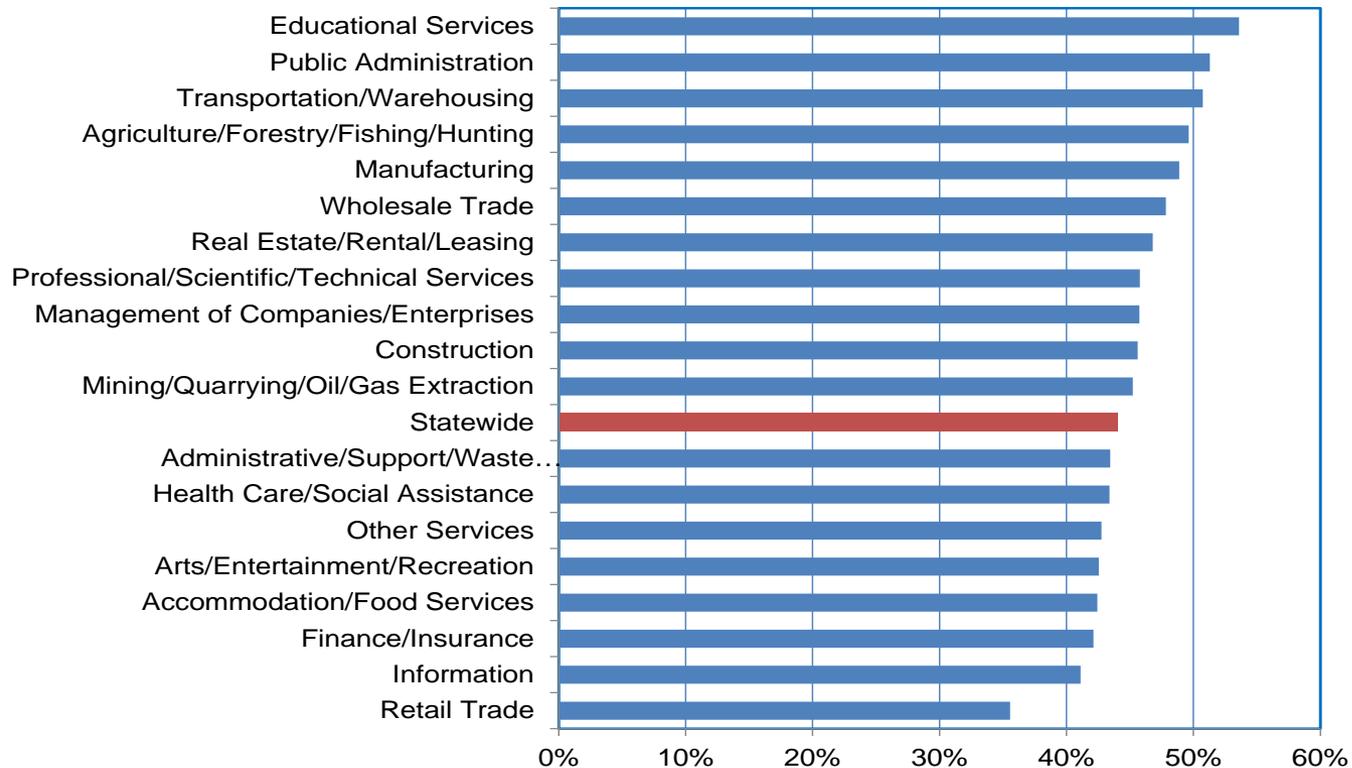
Silver State Job Growth Stronger than in 40 Other States in IQ

job growth rankings (# of states with slower private sector job growth than NV)



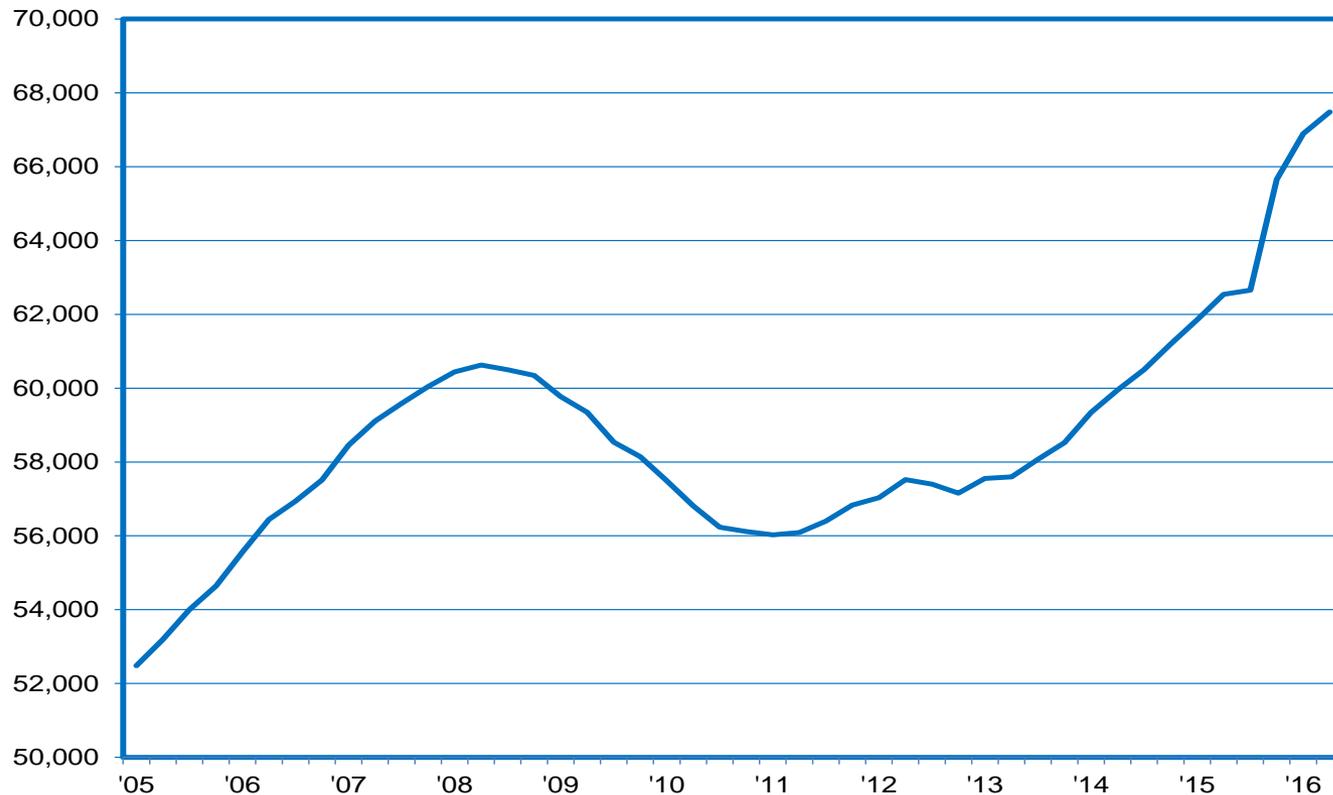
44% of Workforce at Least 45 Years Old; 50%+ in Educ., Govt., & Trans./Warehousing

2015:IIIQ Nevada workforce by age



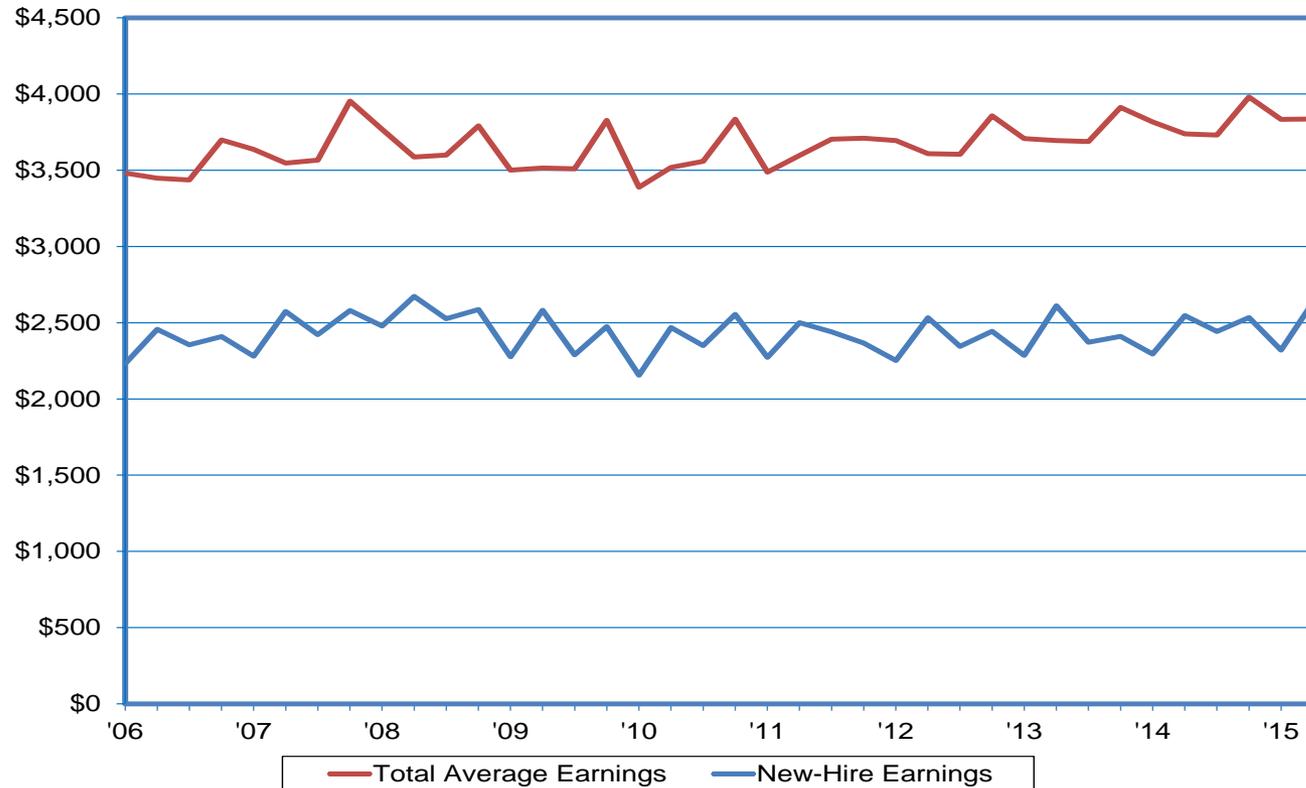
At Nearly 68K, # of Employers at Record High; Up vs. Yr.-Ago in 20 Straight Qtrs.

number of Nevada employers



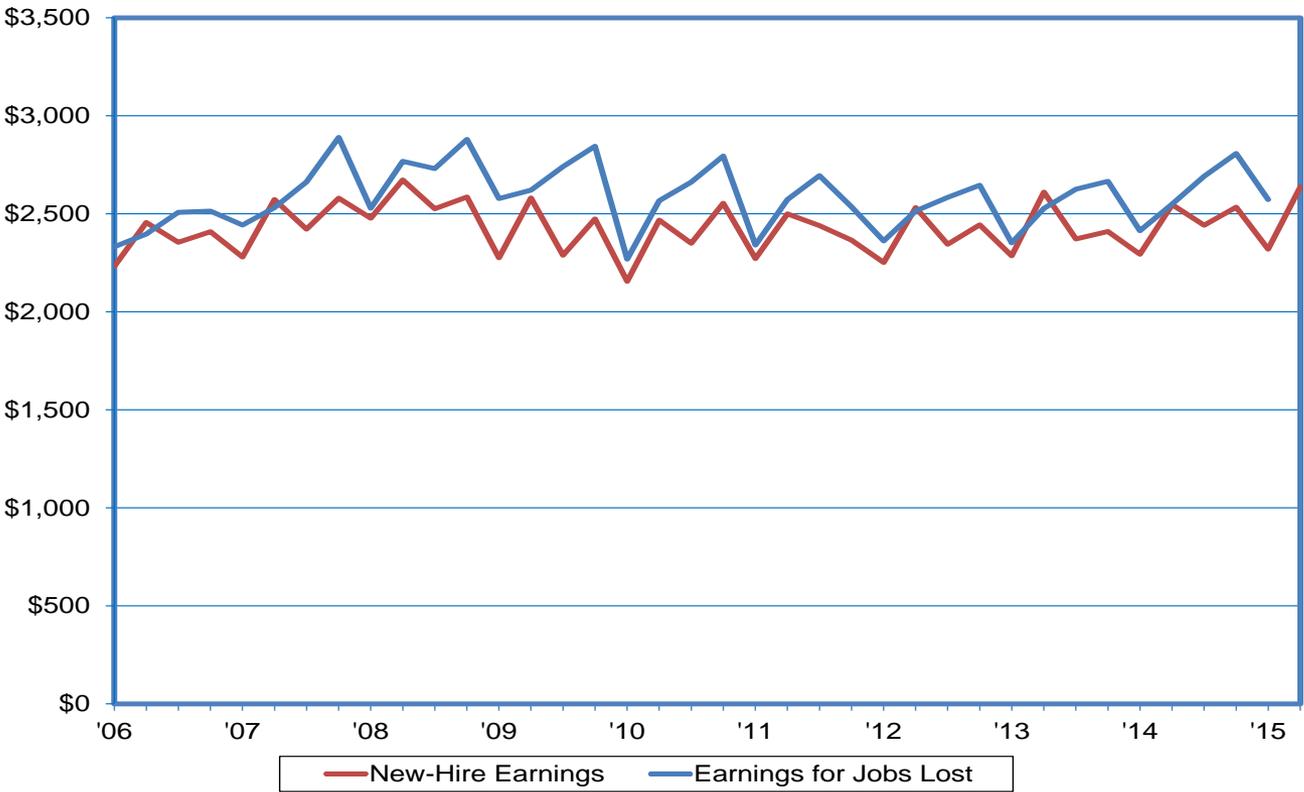
New-Hire Earnings Approximately 2/3rds of Overall Average...a Consistent Relationship

new-hire monthly earnings vs. total average earnings

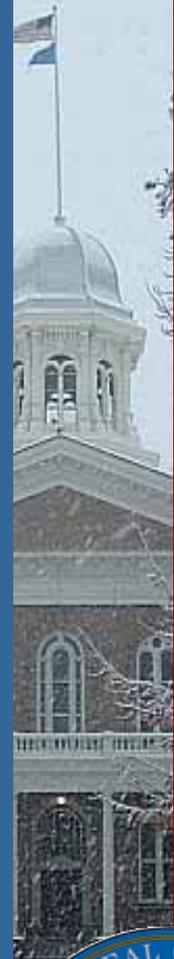


Earnings for Jobs Lost are Just Slightly Higher than Those for New Hires

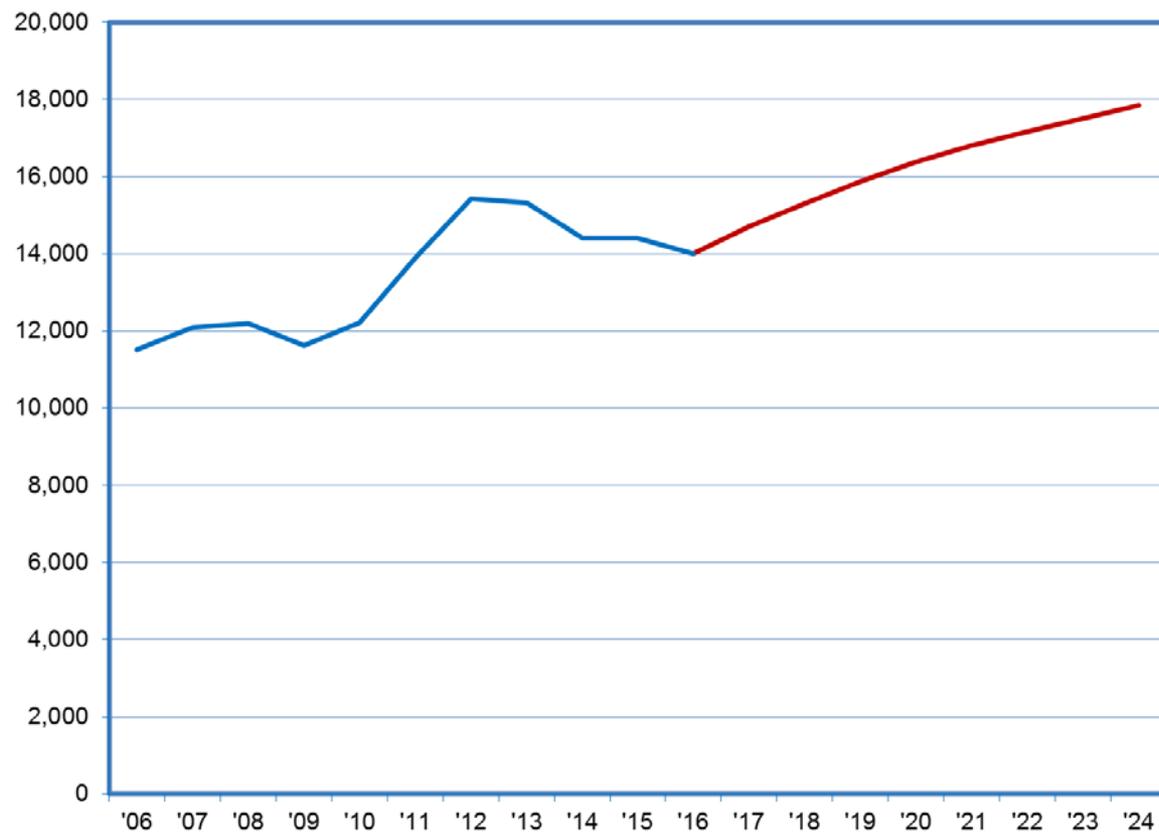
average monthly earnings for jobs lost vs. new-hire earnings



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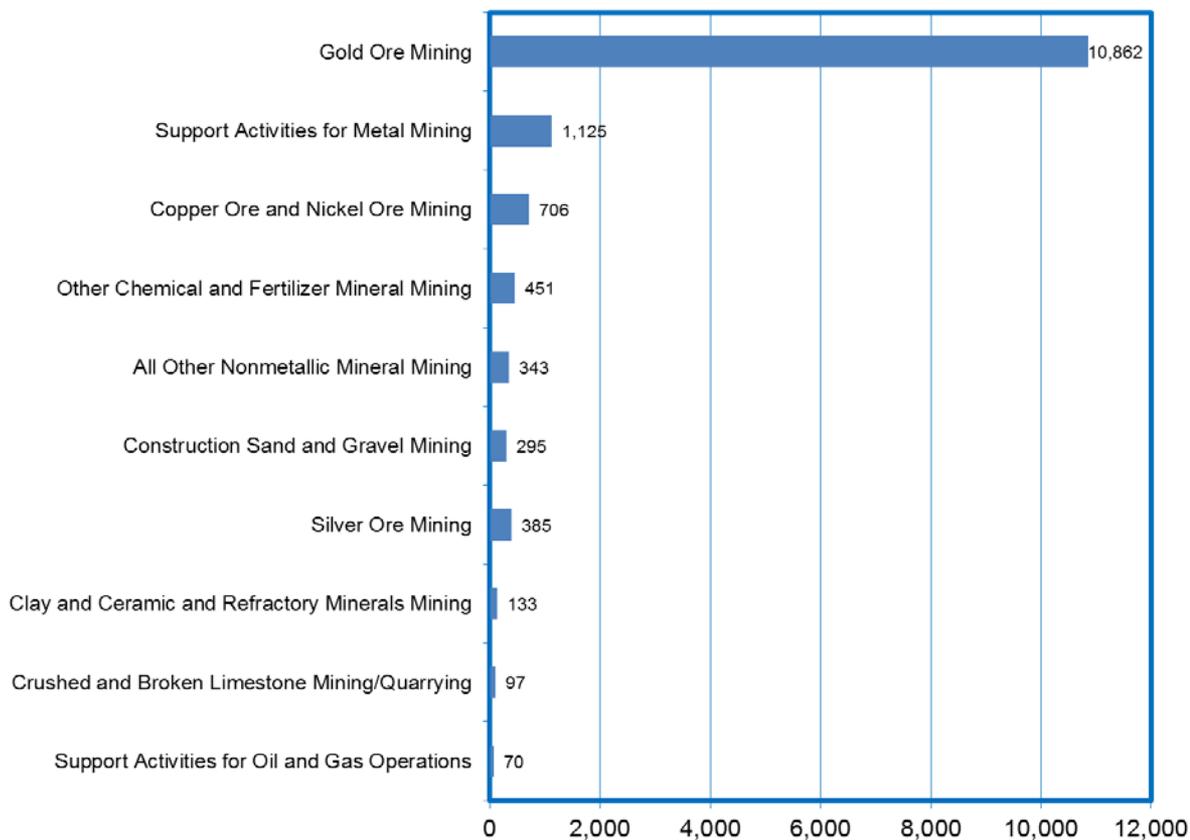
Employment Projection



Source: EMSI



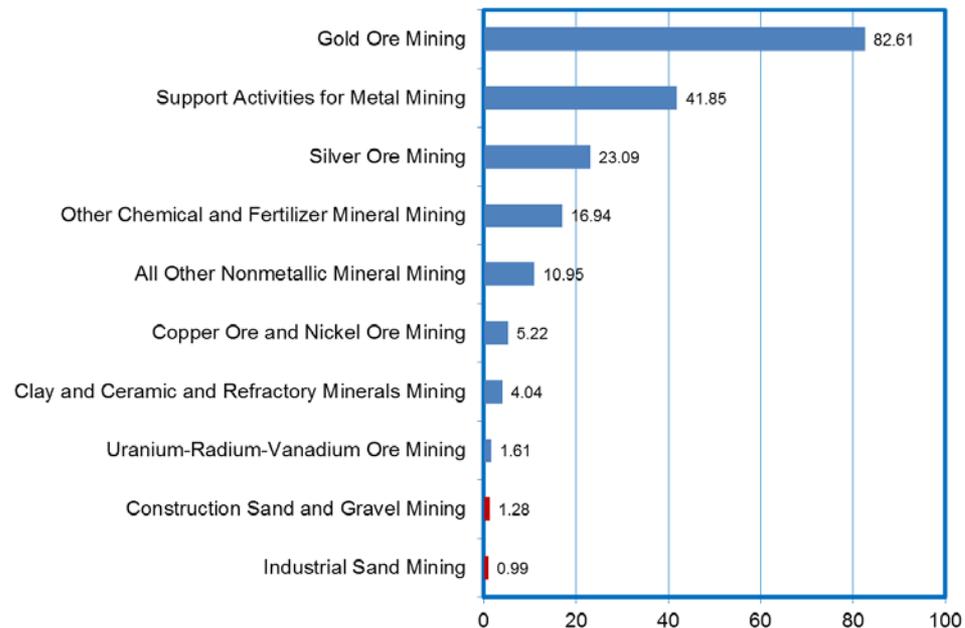
Largest Industries by Employment



Source: EMSI



Industry Location Quotient



Location Quotient of 1 represents national average. Values less than 1 represent a relatively lower concentration of that industry

Source: EMSI

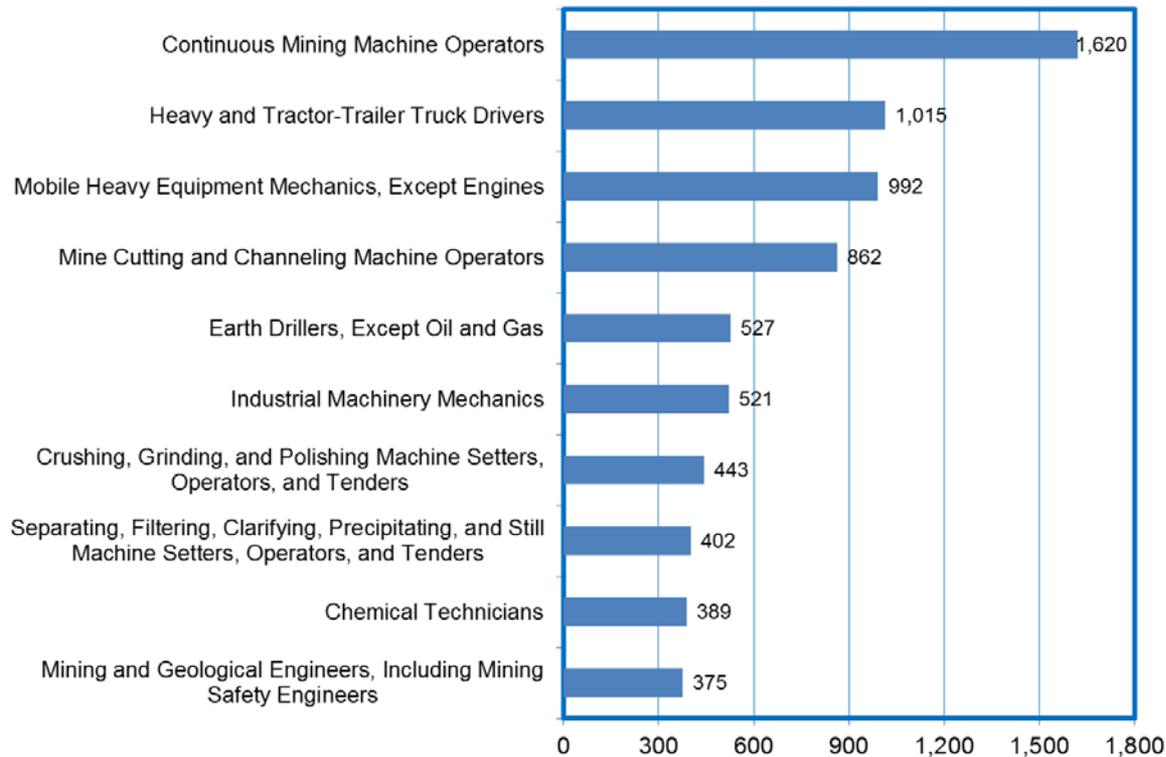


Industries vs. Occupations

Although the sector councils are designed to address employment needs in specific industries, this work can only be accomplished by examining and training individuals at the occupational level.

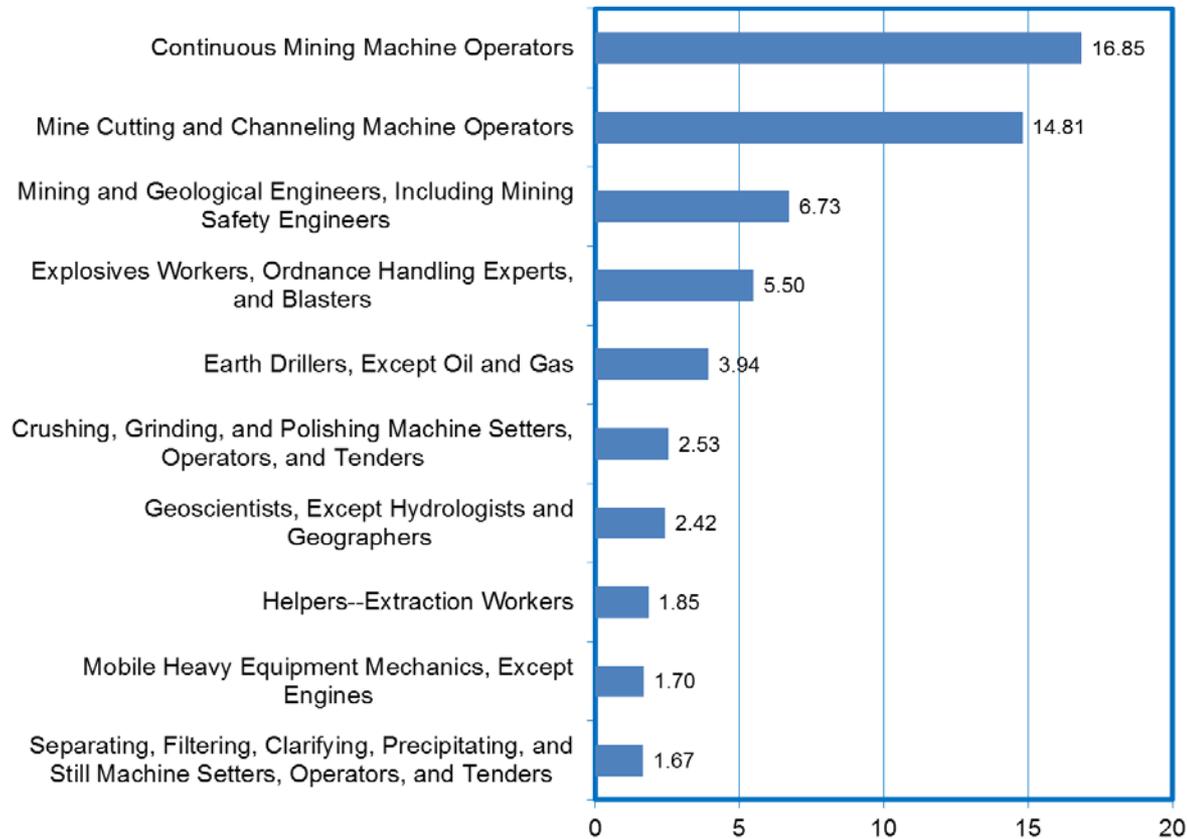


Largest Occupations by Employment



Source: EMSI

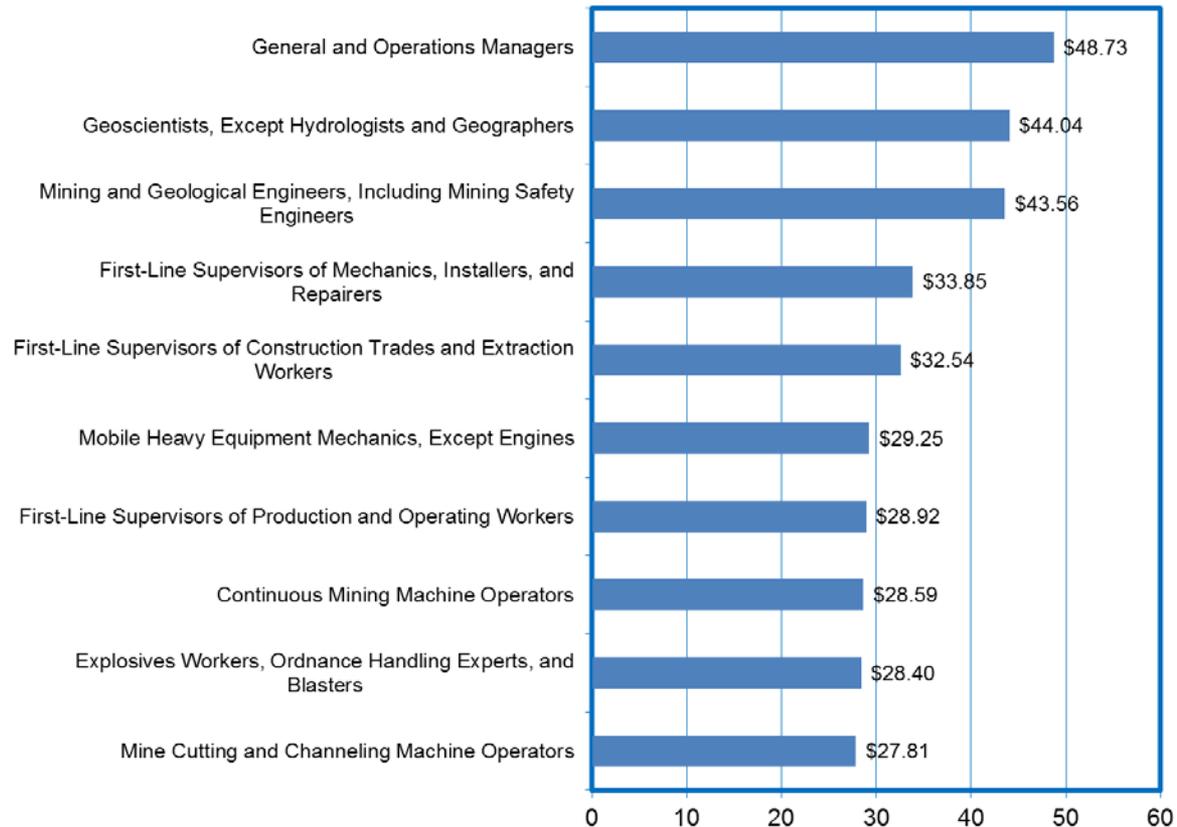
Occupational Location Quotient



Source: EMSI



Average Hourly Wage for Largest Occupations



Source: EMSI



Mining Occupations

Skills Specified in online job ads

Baseline Skills	Specialized Skills	Data Software Skills
Communication Skills	Budgeting	Microsoft Excel
Planning	Repair	Microsoft Office
Writing	Inspection	Microsoft Powerpoint
Troubleshooting	Scheduling	Word Processing
Microsoft Excel	Spreadsheets	Microsoft Word
Computer Skills	Supervisory Skills	Oracle
Microsoft Office	Environmental Compliance	Enterprise Resource Planning (ERP)
Preventative Maintenance	Technical Writing/Editing	AutoCAD
Problem Solving	Welding	SAP
Organizational Skills	Business Strategy	Computer Aided Drafting/Design (CAD)

Source: Labor Insight/Burning Glass Technologies



O-Net Occupational Skills and Attribute Reports

O*NET Occupation Profile - Continuous Mining Machine Operator

Tools	Skills	Work Context
Air Exhausters Belt Conveyors Boom Bolters Continuous Mining Equipment Jacks	Operation and Control Operation Monitoring Equipment Maintenance	Exposed to Contaminants Wear common protective or safety equipment Spend time using hands to handle, control, or feel objects Face to face discussion Sounds, Noise Levels are Distracting or Uncomfortable
Technologies	Abilities	Work Activities
Mobile Location based services software.	Control precision Arm-Hand Steadiness Multi-Limb coordination Problem sensitivity Reaction Time	Controlling machines and processes Operating vehicles, mechanized devices or equipment Making Decisions and Solving Problems Inspecting Equipment, Structures, or Material Repairing and Maintaining Mechanical Equipment

Source: Labor Insight/Burning Glass Technologies



Clarifications and Limitations

- ❑ Location Quotients (LQs) are used to identify potential sources of competitive advantage, or areas of regional specialization. LQs measure the relative concentration of a given industry or occupation in a state relative to the nation.
- ❑ LQs are calculated by dividing the proportion of the state's economic activity in an industry or in an occupation, by the proportion of the nation's economic activity in that same industry or occupation.
- ❑ LQs of 1.2 or higher indicate some degree of specialization. LQs of 0.8 to 1.2 indicate normal distribution of industry within the region. LQs of less than 0.8 may indicate that the region may be deficient.
- ❖ Limitations of on-line job postings:
 - ❑ Jobs requiring low skills/low wages tend to use alternative methods of attracting job seekers and are under represented in online ads.
 - ❑ Internal company hiring and union hiring are often not captured by online ads.
 - ❑ Online job posting volume does not necessarily correlate with the level of job openings or hiring.
 - ❑ The percentage of job postings that specify a certification is small limiting how representative the data is.
 - ❑ Algorithmic ad parsing can lead to miscoding occupations and skills due to similarities between abbreviations and other letter combinations, etc.





Clarifications and Limitations

- ❑ In online job postings Burning Glass reports licenses and certifications together.
- ❑ The mean salary data in job postings reflects the salary listed by employers in job postings, adjusted to be equivalent to a full-time, annual wage. If a salary range is specified, the median of the range used.
- ❑ High ad volume often occurs for occupations/industries that are having difficulty finding qualified candidates, high turnover positions/recurring openings, or when companies are building large candidate pools.
- ❑ Online job postings should only be used with caution when developing/analyzing time series trends due to the constant changes in the rate of online advertising usage and in the methods used for collecting the data.



For Additional Information, Please Contact

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Silver State Solutions is Nevada's employment, career, and education resource. Powered by Burning Glass Technologies, it provides career guidance, a real-time job bank and personalized employment matching for jobseekers and offers a searchable workforce database for businesses looking for qualified candidates. Within Solutions' suite of tools is the Labor Insight application, which generates real-time labor market information via current assessments of online job posting activity.

