#### WORKFORCE OPPORTUNITIES IN WYOMING: DEVELOPING A DATA-DRIVEN APPROACH TO PUBLIC SECTOR INVESTMENT AND EVALUATION, PART TWO

Presented to the Wyoming Workforce Development Council Cheyenne, Wyo. January 14, 2015 by Michele Holmes and Tom Gallagher

## Research & Planning http://doe.state.wy.us/LMI/oes.htm

#### **OUR ORGANIZATION:**

R&P is a separate, exclusively statistical entity.

#### WHAT WE DO:

R&P collects, analyzes, and publishes timely and accurate labor market information (LMI) meeting established statistical standards.

#### **OUR CUSTOMERS:**

LMI makes the labor market more efficient by providing the public and the public's representatives with the basis for informed decision making.



### Agenda

- High-demand, High-growth occupations
- Labor Shortages
- Supporting Documentation neither random nor comprehensive
- Evaluation

## WWDC Request: Compile a List of High-Demand, High-Growth Occupations

Wyoming Occupational Projections and Average Hourly Wage for Occupations with and Average Hourly Wage >= \$14.00 and Projected Employment Growth >= 200 Jobs Over the Next Decade

No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.	WWDC Criteria	SOC Code	SOC Title	Employment 2012	Employment 2022	Net Change P	ercent Change Hour	ly Wage Typical Education
No	Yes	47-2031	Carpenters	3,908	4,706	798	20.4	\$19.66 H.S. Diploma or equiv.
No         53-3032         Heavy and Tractor-Trailer Truck Drivers         7,081         7,901         820         11.6         \$22.28 H.S. Diploma or equiv.           No         11-1021         General and Operations Managers         5,352         6,153         801         15         \$54.594 Associate's Degree           No         43-301         Bookkeeping, Accounting, and Auditing Clerks         47.18         5,396         678         18.4         \$15.59 H.S. Diploma or equiv.           No         47-201         Construction Laborers         39.07         4,567         660         16.9         \$15.61 H.S. Diploma or equiv.           No         47-101         First-Line Supervisors of Construction Trades and Extraction Workers         4,782         5,412         625         13.1         \$15.08 H.S. Diploma or equiv.           No         47-101         First-Line Supervisors of Construction Trades and Extraction Workers, General         3,966         4,42         476         12         \$20.03 H.S. Diploma or equiv.           No         47-211         Electricians         47-211         Electricians         2,51         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         47-211         Elementary School Teachers, Except Special Education         2,649         3,031         382 <td>Yes</td> <td>49-9041</td> <td>Industrial Machinery Mechanics</td> <td>2,407</td> <td>3,115</td> <td>708</td> <td>29.4</td> <td>\$27.21 Post-Secondary Cert.</td>	Yes	49-9041	Industrial Machinery Mechanics	2,407	3,115	708	29.4	\$27.21 Post-Secondary Cert.
No         11-1021         General and Operations Managers         5,352         6,153         801         15         \$45,94 Associate's Degree           No         43-3041         Bookkeeping, Accounting, and Auditing Clerks         4,718         5,396         678         14.4         617,52H.S. Diploma or equiv.           No         47-2061         Construction Laborers         3,007         4,567         660         16.9         15,51H.S. Diploma or equiv.           No         47-6011         Scortaries and Administrative Assistants, Except Legal, Medical, and Executive         4,787         5,412         625         13.1         916,08H.S. Diploma or equiv.           No         47-1011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         35,68H.S. Diploma or equiv.           No         47-9011         Gifice Clerks, General         3,696         4,442         476         12         25,003 H.S. Diploma or equiv.           No         47-2111         Electricians         3,606         4,472         4,57         8.1         91,610 H.S. Diploma or equiv.           No         47-211         Electricians         3,612         4,512         4,52         8,52         92,818 B.A. Degree           No	No	29-1141	Registered Nurses	4,738	5,619	881	18.6	\$29.56 Associate's Degree
No         43-301         Bookkeeping, Accounting, and Auditing Clerks         4,718         5,396         678         14.4         517.52 H.S. Diploma or equiv.           No         47-206         Construction Laborers         3,907         4,567         660         16.9         515.61 H.S. Diploma or equiv.           No         47-2011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         931.68 H.S. Diploma or equiv.           No         47-2011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         931.68 H.S. Diploma or equiv.           No         47-2011         First-Line Supervisors of Construction Trades and Extraction Workers         3,763         6,87         4,76         12         92.03.18 H.S. Diploma or equiv.           No         47-2011         Electricians         3,660         6,87         4,77         8.1         15.16 H.S. Diploma or equiv.           No         47-2011         Electricians         2,751         3,171         420         15.3         25.28 Post-Secondary Cert.           No         47-2012         Selementary School Teachers, Except Special Education         2,649         3,031         382         14.4         92.76.	No	53-3032	Heavy and Tractor-Trailer Truck Drivers	7,081	7,901	820	11.6	\$22.28 H.S. Diploma or equiv.
No         47-2015         Construction Laborers         3,907         4,567         660         16.9         \$15.61 H.S. Diploma or equiv.           No         43-610         Secretaries and Administrative Assistants, Except Legal, Medical, and Executive         4,787         5,412         625         13.1         \$16.08 H.S. Diploma or equiv.           No         47-1011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         \$31.68 H.S. Diploma or equiv.           No         49-9071         Maintenance and Repair Workers, General         3,966         4,42         476         12         \$20.03 H.S. Diploma or equiv.           No         49-9071         Maintenance and Repair Workers, General         3,966         4,42         476         12         \$20.03 H.S. Diploma or equiv.           No         43-901         Diffice Clerks, General         2,51         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         45-2012         Elementary School Teachers, Except Special Education         2,563         3,011         320         15.7         \$21.61 H.S. Diploma or equiv.           No         45-2012         Elementary School Teachers, Except Special Education         2,515         4,511         4,502         3,5	No	11-1021	General and Operations Managers	5,352	6,153	801	15	\$45.94 Associate's Degree
No         43-6014         Secretaries and Administrative Assistants, Except Legal, Medical, and Executive         4,787         5,412         625         13.1         \$16.08 H.S. Diploma or equiv.           No         47-101         First-line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         331.68 H.S. Diploma or equiv.         10.0         49-9071         Maintenance and Repair Workers, General         3,666         4,42         476         12         \$20.03 H.S. Diploma or equiv.         10.0         4,99071         457         8.1         \$31.68 H.S. Diploma or equiv.         10.0         49-9071         457         8.1         \$31.61 H.S. Diploma or equiv.         10.0         47-211         Electricians         4,787         4,787         4,787         4,787         4,787         4,787         4,787         8.1         \$31.61 H.S. Diploma or equiv.         10.0         4,787         4,727         4,7	No	43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,718	5,396	678	14.4	\$17.52 H.S. Diploma or equiv.
No         47-1011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         \$31.68 H.S. Diploma or equiv.           No         49-9071         Mainteance and Repair Workers, General         3,966         4,442         476         12         \$20.03 H.S. Diploma or equiv.           No         43-901         Office Clerks, General         5,630         6,087         457         8.1         \$21.61 H.S. Diploma or equiv.           No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.82 Bys-t-Secondary Cert.           No         25-2021         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.63 B.A. or M.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$28.18 B.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         53-7002         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7	No	47-2061	Construction Laborers	3,907	4,567	660	16.9	\$15.61 H.S. Diploma or equiv.
No         49-9071         Maintenance and Repair Workers, General         3,966         4,442         476         12         \$20.03 H.S. Diploma or equiv.           No         43-9061         Office Clerks, General         5,630         6,087         457         8.1         \$14.61 H.S. Diploma or equiv.           No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         25-2021         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.63 B.A. or M.A. Degree           No         47-2073         Oberating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6,7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         43-6013         Medical Secretaries         41.609         1,534         3,517         374         6,7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         43-6013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-1013         Velders, Cutters, Solderers, and Breazes         2,437<	No	43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	4,787	5,412	625	13.1	\$16.08 H.S. Diploma or equiv.
No         43-9061         Office Clerks, General         5,630         6,087         457         8.1         \$14.61 H.S. Diploma or equiv.           No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         25-2021         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         27.58 B.A. or M.A. Degree           No         41-4012         Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products         2,115         2,494         379         17.9         \$28.18 B.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6,7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazer         2,437         2,732         295         12.1         \$23.59 Post-Secondary	No	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	3,743	4,323	580	15.5	\$31.68 H.S. Diploma or equiv.
No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         25-2021         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.63 B.A. or M.A. Degree           No         41-4012         Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products         2,115         2,494         379         17.9         \$28.18 B.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or equiv.           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4011         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1	No	49-9071	Maintenance and Repair Workers, General	3,966	4,442	476	12	\$20.03 H.S. Diploma or equiv.
No         25-2021         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.63 B.A. or M.A. Degree           No         41-4012         Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products         2,115         2,494         379         17.9         \$28.18 B.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or Some college           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,437         2,	No	43-9061	Office Clerks, General	5,630	6,087	457	8.1	\$14.61 H.S. Diploma or equiv.
No         41-4012         Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products         2,115         2,494         379         17.9         \$28.18 B.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or Some college           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2	No	47-2111	Electricians	2,751	3,171	420	15.3	\$25.82 Post-Secondary Cert.
No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or some college           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 post-Secondary Cert. or A.A.           No         13-2011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         43-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238	No	25-2021	Elementary School Teachers, Except Special Education	2,649	3,031	382	14.4	\$27.63 B.A. or M.A. Degree
No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or Some college           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or	No	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,115	2,494	379	17.9	\$28.18 B.A. Degree
No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$1.73 H.S. Diploma or equiv.           No         47-2112         Piumbers, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S.	No	47-2073	Operating Engineers and Other Construction Equipment Operators	5,543	5,917	374	6.7	\$23.66 H.S. Diploma or equiv.
No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         43-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238         6.4         \$10.02 On-job training or A.A.           No         53-303         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$1.73 SH.S. Diploma or equiv.           No         47-2112         Plumbers, Pipefitters, and Steamfitters         1,092         1,304         212         19.4         \$17.62 H.S. Diplom	No	43-6013	Medical Secretaries	1,169	1,534	365	31.2	\$15.06 H.S. Diploma or Some college
No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         41-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238         6.4         \$19.02 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or equiv.           No         47-2112         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or	No	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,269	2,625	356	15.7	\$15.15 H.S. Diploma or equiv.
No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         41-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238         6.4         \$19.02 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or equiv.           No         47-211         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or equiv.	No	47-5013	Service Unit Operators, Oil, Gas, and Mining	3,130	3,472	342	10.9	\$24.04 H.S. Diploma or equiv.
No 13-2011 Accountants and Auditors 1,887 2,161 274 14.5 \$29.77 B.A. Degree  No 43-1011 First-Line Supervisors of Office and Administrative Support Workers 1,928 2,70 242 12.6 \$22.37 On-job training or A.A.  No 41-1011 First-Line Supervisors of Retail Sales Workers 3,735 3,973 238 6.4 \$19.02 On-job training or A.A.  No 53-3033 Light Truck or Delivery Services Drivers 1,475 1,692 217 14.7 \$17.35 H.S. Diploma or equiv.  No 47-2114 Painters, Construction and Maintenance 1,092 1,304 212 19.4 \$17.62 H.S. Diploma or equiv.  No 47-2152 Plumbers, Pipefitters, and Steamfitters 1,085 1,294 209 19.3 \$20.35 H.S. Diploma or equiv.	No	43-4051	Customer Service Representatives	1,919	2,260	341	17.8	\$14.14 H.S. Diploma or equiv.
No 43-1011 First-Line Supervisors of Office and Administrative Support Workers 1,928 2,170 242 1.6 \$22.37 On-job training or A.A.  No 41-1011 First-Line Supervisors of Retail Sales Workers 3,735 3,973 238 6.4 \$19.02 On-job training or A.A.  No 53-3032 Light Truck or Delivery Services Drivers 1,475 1,692 217 14.7 \$17.35 H.S. Diploma or equiv.  No 47-2141 Painters, Construction and Maintenance 1,092 1,304 212 19.4 \$17.62 H.S. Diploma or equiv.  No 47-2152 Plumbers, Pipefitters, and Steamfitters 1,085 1,294 209 19.3 \$20.35 H.S. Diploma or equiv.	No	51-4121	Welders, Cutters, Solderers, and Brazers	2,437	2,732	295	12.1	\$23.59 Post-Secondary Cert. or A.A.
No41-1011First-Line Supervisors of Retail Sales Workers3,7353,9732386.4\$19.02 On-job training or A.A.No53-3033Light Truck or Delivery Services Drivers1,4751,69221714.7\$17.35 H.S. Diploma or equiv.No47-2141Painters, Construction and Maintenance1,0921,30421219.4\$17.62 H.S. Diploma or equiv.No47-2152Plumbers, Pipefitters, and Steamfitters1,0851,29420919.3\$20.35 H.S. Diploma or equiv.	No	13-2011	Accountants and Auditors	1,887	2,161	274	14.5	\$29.77 B.A. Degree
No53-303Light Truck or Delivery Services Drivers1,4751,69221714.7\$17.35 H.S. Diploma or equiv.No47-211Painters, Construction and Maintenance1,0921,30421219.4\$17.62 H.S. Diploma or equiv.No47-2152Plumbers, Pipefitters, and Steamfitters1,0851,29420919.3\$20.35 H.S. Diploma or equiv.	No	43-1011	First-Line Supervisors of Office and Administrative Support Workers	1,928	2,170	242	12.6	\$22.37 On-job training or A.A.
No         47-2141         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or equiv.	No	41-1011	First-Line Supervisors of Retail Sales Workers	3,735	3,973	238	6.4	\$19.02 On-job training or A.A.
No 47-2152 Plumbers, Pipefitters, and Steamfitters 1,085 1,294 209 19.3 \$20.35 H.S. Diploma or equiv.	No	53-3033	Light Truck or Delivery Services Drivers	1,475	1,692	217	14.7	\$17.35 H.S. Diploma or equiv.
	No	47-2141	Painters, Construction and Maintenance	1,092	1,304	212	19.4	\$17.62 H.S. Diploma or equiv.
No 47-5011 Roustabouts, Oil and Gas 2,044 2,253 209 10.2 \$19.42 H.S. Diploma or less	No	47-2152	Plumbers, Pipefitters, and Steamfitters	1,085	1,294	209	19.3	\$20.35 H.S. Diploma or equiv.
	No	47-5071	Roustabouts, Oil and Gas	2,044	2,253	209	10.2	\$19.42 H.S. Diploma or less

Source: Wyoming's Occupational Projections 2012 to 2022 and Wyoming's Occupational Employment Statistics 2013. Wyoming Department of Workforce Services, Research & Planning. T Glover, WYDWS Research and Planning. 08/01/2014

# Definition of "some college," or, What is the Investment?

According to O\*NET, "Some college" means a "Post-Secondary Certificate awarded for training completed after high school (for example, in Personnel Services, Engineering-related Technologies, Vocational and Home Economics, Construction Trades, Mechanics and Repairers, and Production Trades) and Some College Courses."

Source: Occupational Information Network (O\*NET), 2014

## Regional Projections in Selected States 2012 - 2022: If We Train Them, Will They Come - Will They Stay?

	Wyoming			N	Montana		Colorado		North Dakota			US				
Code	Occupation	N Ch	% Ch	Hr Wage	N Ch	% Ch	Hr Wage	N Ch	% Ch	Hr Wage	N Ch	% Ch	Hr Wage	N Ch	% Ch	Hr Wage
291141	Registered Nurses	881	18.6	\$29.56	1,786	20.4	\$29.18	11,070	26.2	\$33.16	1,635	21.1	\$26.94	526,900	19.4	\$33.13
472031	Carpenters	798	20.4	\$19.66	967	26.3	\$18.79	5,020	28.8	\$19.59	829	19.9	\$18.28	218,200	24.2	\$21.62
472061	Construction Laborers	660	16.9	\$15.61	994	24.9	\$16.17	6,380	32.1	\$15.12	919	17.4	\$17.79	259,900	24.3	\$16.84
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific	379	17.9	528.18	945	21.9	\$27.23	5.470	16.1	\$34.51	708		600.30	422.400	8.9	\$31.09
472073	Products Operating Engineers and Other Construction Equipment Operators	379	6.8	\$23.66	709	21.5	\$27.23	1,650	23.7	\$21.08	228	7.4	\$28.32	132,100	18.9	\$22.63
475071	Roustabouts, Oil and Gas	209	10.2	\$19.42	259	36.8	\$22.39	1,940	70.2	\$19.04	-327	-7.7	\$21.29	11,700	19.2	\$17.39
499041	Industrial Machinery Mechanics	708	29.4	\$27.21	195	26.7	\$23.93	1,760	36	\$24.27	420	2.6	\$26.27	60,300	18.9	\$23.83
436013	Medical Secretaries	365	31.2	\$15.06	694	32.2	\$14.80	2,850	37	\$16.36	170	30.4	\$14.58	189,300	36	\$15.93

L.A. Hammer, R&P DWS, 8/20/14, WY LMI Projections, MT LMI Projections, ND LMI Projections, ProjectionCentral, BLS OES Data

### Is there a Labor Shortage?

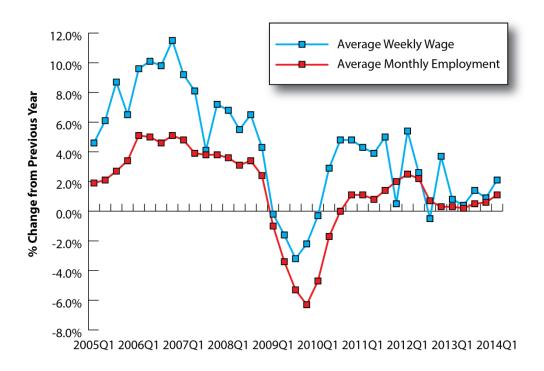
### Consequences of a Labor Shortage

"We could do another third of the work we're doing but can't because of lack of people."

~ Steve Loftin, 71 Construction, as reported in Casper-Star Tribune 10/20/2014

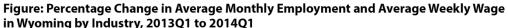
## Evidence of a Labor Shortage - Wyoming Wages and Employment 2005 - 2014

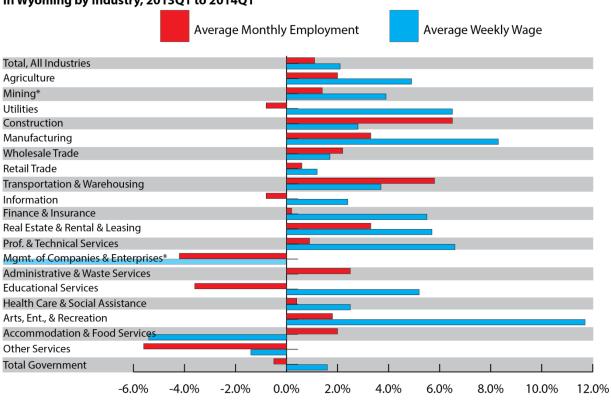
Figure: Wyoming Over-the-Year Percentage Change in Average Monthly Employment and Average Weekly Wage, 2005Q1 to 2014Q1



Source: Quarterly Census of Employment and Wages.
Prepared by N. Brennan and M. Moore, Research & Planning, WY DWS.

### Evidence of a Labor Shortage - Wages and Employment for Wyoming by Industry 2013 -2014



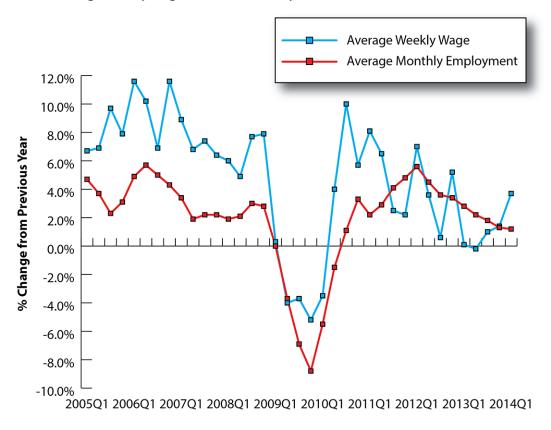


Source: Quarterly Census of Employment and Wages

<sup>\*</sup>Change in average weekly wage for management of companies and enterprises was -39.6%.

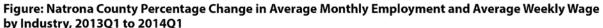
## Evidence of a Labor Shortage - Natrona County Wages and Employment 2005 - 2014

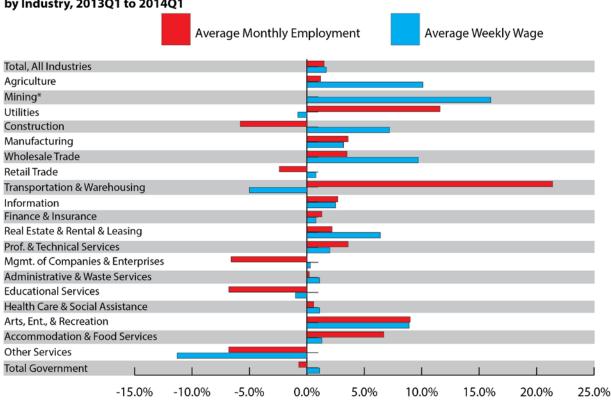
Figure 3: Over-the-Year Percentage Change in Average Monthly Employment and Average Weekly Wage in Natrona County, 2005Q1 to 2014Q1



Source: Quarterly Census of Employment and Wages.

## Evidence of a Labor Shortage - Wages and Employment for Natrona County by Industry 2013 - 2014



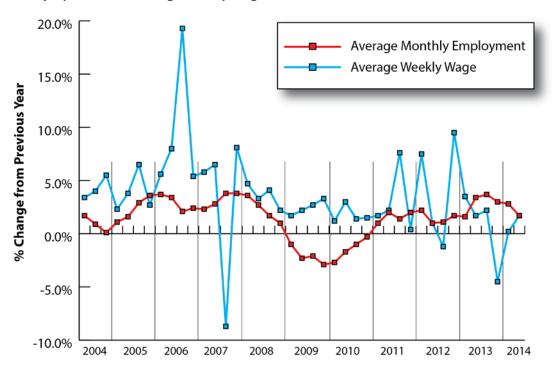


Source: Quarterly Census of Employment and Wages.

Prepared by N. Brennan and M. Moore, Research & Planning, WY DWS, 1/12/15.

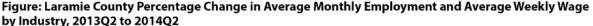
### Evidence of a Labor Shortage - Laramie County Wages and Employment 2005 - 2014

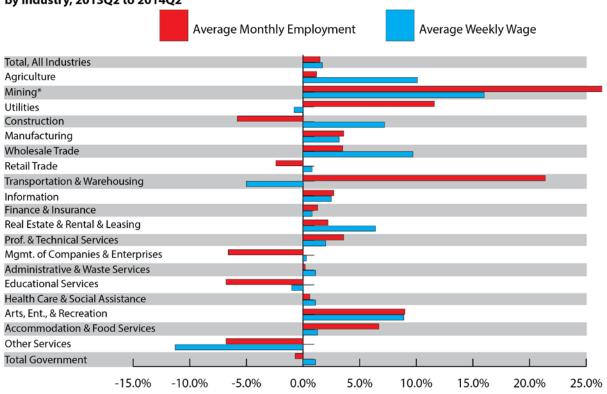
Figure: Laramie County Over-the-Year Percentage Change in Average Monthly Employment and Average Weekly Wage, 2004Q2 to 2014Q2



Source: Quarterly Census of Employment and Wages.
Prepared by N. Brennan and M. Moore, Research & Planning, WYDWS, 1/12/15.

## Evidence of a Labor Shortage - Wages and Employment for Laramie County by Industry 2013 -2014





Source: Quarterly Census of Employment and Wages.

Prepared by N. Brennan and M. Moore, Research & Planning, WY DWS, 1/12/15.

<sup>\*</sup> Mining employment change = 63.9%.

#### The Rundown: Labor Shortage Framework

- Greatest Population Changes from 2009– 2013:
  - Wyoming: 7.1%
  - North Dakota: 11.8%
- States with a Positive Wage Change:
  - Wyoming: 1.1%
  - North Dakota: 12.3%
- Smallest UI covered Employment Growth:
  - Wyoming: 1.8%

### Wyoming has a Labor Shortage

- Possible Causes:
  - Relatively slow labor force growth
  - Fewer people entering the workforce than leaving
  - Changes in immigration policy
  - Changes in technology
- Growth of Population ages 20–59:
  - Wyoming: 1.5%
  - Nation: 2.0%
- Growth of Population 19 and under:
  - Wyoming: 1.2%
  - Nation: -1.2%

<sup>\*</sup>Excerpt from "Occupational Shortages in the Construction Industry" by K. Faler, 2014, DWS, R&P

#### Occupational Shortages as of May 2013

Wyoming	Region	Nation
Crane and Tower Operators	Crane and Tower Operators	Crane and Tower Operators
<ul> <li>Drywall and Ceiling Tile</li> </ul>	<ul> <li>Electrical Power-Line</li> </ul>	<ul> <li>Electrical Power-Line</li> </ul>
Installers	Installers and Repairers	Installers and Repairers
Electrical Power-Line	<ul> <li>Excavating and Loading</li> </ul>	<ul> <li>Elevators Installers and</li> </ul>
Installers and Repairers	Machine and Dragline	Repairers
<ul> <li>Electricians</li> </ul>	Operators	<ul> <li>Insulation Workers,</li> </ul>
Excavating and Loading	<ul> <li>Operating Engineers and</li> </ul>	Mechanical
Machine and Dragline	Other Construction	<ul> <li>Paving, Surfacing, and</li> </ul>
Operators	<b>Equipment Operators</b>	Tamping Equipment
<ul> <li>Heating, Air Conditioning,</li> </ul>	<ul> <li>Security and Fire Alarm</li> </ul>	Operators
and Refrigeration Mechanics	Systems Installers	• Reinforcing Iron and Rebar
<ul> <li>Insulation Workers,</li> </ul>	Figure: Map of Wyoming and the Region	Workers
Mechanical		<ul> <li>Security and Fire Alarm</li> </ul>
Operating Engineers and	Montana North Dakota	Systems Installers
Other Construction	Idaho South Dakota Wyoming	
<b>Equipment Operators</b>	Nebraska	*Excerpt from "Occupational Shortages in the Construction Industry" by K. Faler, 2014, DWD,
Telecommunication Line	Colorado	R&P
Installers and Repairers		17

## A Word about North Dakota: Regional Demand

- Greatest Change in Regional Population
- Greatest Change in UI Covered Employment
- Greatest Change in Inflation Adjusted Wages
- Third Highest Median Hourly Wages in Region
- Occupational employment in North Dakota grows faster even when wages are higher in Wyoming.

\*Excerpt from "Occupational Shortages in the Construction Industry" by K. Faler, 2014, DWS, R&P

### **Supporting Documents**

# Our Understanding of a Labor Shortage is Indirect

- Therefore we must look for additional evidence regarding a labor shortage
- There are other supporting documents that may indicate a labor shortage: proportion of non-resident workers from our New Hires Survey, changes in Unemployment Insurance claims, and changes in real wages.
- Our office was awarded Workforce Data Quality Initiative Grant (WDQI) last year
- WDQI will allow us to report on the labor supply coming out of high schools and colleges with this grant (how many students graduate from CC with a welding certificate)
- WDQI analysis will offer a much clearer picture of what the education system is producing in terms of local labor supply

**Supporting Document: New Hires Survey** 

42.4% of all new hires were nonresidents

Average hourly wage: \$43.26

100.0% of employers were satisfied with new hires' skills

Table 2: Selected New Hires Occupations Requiring More Than a High School Diploma With an Average Hourly Wage of At Least \$15 in Which Nonresidents Accounted for At Least 20% of All New Hires in Wyoming, 2011Q4-2013Q3

Occupation and SOC Code
00-0000 47-2073 11-9021 17-3031

			Occupation a	nd SOC Code	
		00-0000	47-2073	11-9021	17-3031
			Operating		
			Engineers &		Surveying &
		Total All	Other	Construction	Mapping
	Job Characteristics	Occupations	Construction	Managers	Technicians
	Typical Education <sup>a</sup>	N/A	Post-Secondary	Bachelors	Associates
			Certificate		
	N	218,308	3,316	346	309
Nonresidents	Nonresident N	32,843	646	147	90
womesidents	Nonresident %	15.0	20.0	42.4	29.1
	Average Hourly Wage (\$)	11.00	19.81	43.26	16.00

Retention Rate: 88.5% of these new hires were still working for that employer one quarter later

346 Nonresident N 147 **Nonresidents** Nonresident % 43.26 Average Hourly Wage (\$) % Paid Piece Rate 0.0 % Offered 73.1 Health Insurance Selected Retirement 73.1 **Benefits Paid Leave** 74.4 87.3 Service Orientation Skills **Critical Thinking** 88.5 Selected as 88.5 **Reading Comprehension** "Important" **Technology Design** 65.6 (%) Operation and Control 100.0 Employers' Satisfied → 100.0 Satisfaction Not Satisfied 0.0 with New Neither 0.0 Hires' Skills Other 0.0 Average 20 or Less 0.0 Weekly 21-35 0.0 **Hours** 36 or More 100.0 **Female** 6.8 Gender Male 50.7 Nonresident 42.4 19 and Younger 0.0 20-24 0.0 25-34 6.8 35-44 22.9 45-54 25.1 Age Group 55-64 9.5 65 and Older 0.0 Unknown (Nonresidents) 35.6 % Still Working 1 Quarter 88.5 Retention After Hire 17

**Job Characteristics** 

Typical Education<sup>a</sup>

11-9021 Construction

Managers

**Bachelors** 

Prepared by M Moore, Research & Planning, WY DWS

## Supporting Document: Biased, Unemployment Insurance Claims by Industry, 2011 - 2014

Count and Percent Change in Initial Claimants: March 2011 to March 2014

	March-11	March-12	% Change March 2011 to March 2012	March-13	% Change March 2012 to March 2013	March-14	% Change March 2013 to March 2014
Total	3250	2725	-16.2%	2785	2.2%	2401	-13.8%
Nat. Resources & Mining	275	232	-15.6%	281	21.1%	215	-23.5%
Construction	788	560	-28.9%	598	6.8%	525	-12.2%
Manufacturing	150	174	16.0%	161	-7.5%	152	-5.6%
Trade, Transportation, & Utilities	397	368	-7.3%	353	-4.1%	287	-18.7%
Information	15	8	-46.7%	9	12.5%	10	11.1%
Financial Activities	37	50	35.1%	54	8.0%	57	5.6%
Prof. & Bus. Services	182	160	-12.1%	157	-1.9%	140	-10.8%
Ed. & Health Services	163	143	-12.3%	142	-0.7%	101	-28.9%
Leisure & Hospitality	578	496	-14.2%	468	-5.6%	429	-8.3%
Government	223	175	-21.5%	201	14.9%	172	-14.4%
Other	442	359	-18.8%	376	4.7%	329	-12.5%

<sup>\*</sup> Data can be found on R&P LMI website: http://doe.state.wy.us/LMI/ui.htm

## Other Supporting Documents: Job Orders by Occupation for Natrona County, 2013 – 2014

W@W 2013 & 2014 Job Order Report (Natrona County)

Occupation Group	Total Job Orders (2013)	Total Job Orders (2014)	<u>Cha</u> <u>N</u>	ange <u>%</u>	Total Job Openings (2013)	Total Job Openings (2014)	Cha N	ange <u>%</u>
All Occupations	1076	1757	681	63.3%	1925	3534	1609	83.6%
Architecture and Engineering Occupations (17)	19	32	13	68.4%	19	42	23	121.1%
Arts, Design, Entertainment, Sports, and Media Occupations (27)	17	11	-6	-35.3%	20	92	72	360.0%
Building & Grounds Cleaning & Maintenance Occupations (37)	70	80	10	14.3%	105	136	31	29.5%
Business and Financial Operations Occupations (13)	11	23	12	109.1%	13	26	13	100.0%
Community and Social Services Occupations (21)	13	19	6	46.2%	13	28	15	115.4%
Computer and Mathematical Occupations (15)	3	10	7	233.3%	3	10	7	233.3%
Construction and Extraction Occupations (47)	127	289	162	127.6%	287	902	615	214.3%
Education, Training, and Library Occupations (25)	4	18	14	350.0%	5	24	19	380.0%
Farming, Fishing, and Forestry Occupations (45)	2	2	0	0.0%	2	2	0	0.0%
Food Preparation and Serving Related Occupations (35)	65	92	27	41.5%	155	180	25	16.1%
Healthcare Practitioners and Technical Occupations (29)	33	71	38	115.2%	37	94	57	154.1%
Healthcare Support Occupations (31)	21	31	10	47.6%	41	90	49	119.5%
Installation, Maintenance, and Repair Occupations (49)	102	155	53	52.0%	122	201	79	64.8%
Legal Occupations (23)	2	2	0	0.0%	4	2	-2	-50.0%
Life, Physical, and Social Science Occupations (19)	5	13	8	160.0%	5	13	8	160.0%
Management Occupations (11)	35	52	17	48.6%	44	53	9	20.5%
Military Specific Occupations (55)	1	1	0	0.0%	1	1	0	0.0%
Office and Administrative Support Occupations (43)	131	221	90	68.7%	147	277	130	88.4%
Personal Care and Service Occupations (39)	21	28	7	33.3%	26	49	23	88.5%
Production Occupations (51)	138	150	12	8.7%	302	308	6	2.0%
Protective Service Occupations (33)	7	18	11	157.1%	9	26	17	188.9%
Sales and Related Occupations (41)	79	153	74	93.7%	153	292	139	90.8%
Transportation and Material Moving Occupations (53)  W@W Job order report 13&14, R&P DWS, 10/22/14	170	286	116	68.2%	412	686	274	66.5%

W@W Job order report 13&14, R&P DWS, 10/22/14

### **Evaluation**

# Wages and Projected Wages at Placement

	Column1	Total	Mining	Construction	Manufacturing	Administrative, Support and Waste Management	Other Services (except Public Administration)
	Education	Post	Post	Post	Post Secondary	Post Secondary	Post Seconda
	Number	Secondary 2621	Secondary 444	Secondary 635	666	220	24
		2021	444	055	000	220	
	Average Hourly Wage for New Hire	\$18.00	\$20.00	\$22.00	\$16.10	\$14.50	\$19.0
	Average Hourly Wage for Industry (May 2013)*	\$23.59	\$26.68	25.25	20.79	NA	22.0
	% Paid Piece Rate	2.4	0.0	6.3	0.0	10.0	0
% Offered	Health Insurance	46.4	62.5	37.5	61.8	20.0	85
Benefits	Retirement	23.7	29.2	18.8	36.8	10.0	23
	Paid Leave	31.4	41.7	12.5	54.4	10.0	61
	Service Orientation	60.7	70.8	68.8	32.4	60.0	42
	Critical Thinking	92.1	91.7	100.0	77.9	90.0	100
Skills Selected as "Important" (%)	Reading Comprehension	53.7	62.5	43.8	67.6	80.0	76
	Technology Design	65.2	66.7	62.5	55.9	40.0	71
	Operation and Control	90.6	87.5	93.8	82.4	90.0	95
Employers'	Satisfied	54.9	87.5	50.0	52.9	100.0	47
Satisfaction with New Hires'	Not Satisfied	4.3	0.0	0.0	11.8	0.0	14
Skills	Neither Other	26.6 14.2	4.2 8.3	18.8 31.3	14.7 20.6	0.0	38
	20 or Less	1.4	0.0	0.0	3.4	0.0	
Average Weekly Hours	21-35	7.5	0.0	0.0	8.5	50.0	C
Hours	36 or More	91.2	100.0	100.0	88.1	50.0	94
	Female	15.4	16.7	0.0	10.3	10.0	23
Gender	Male	67.5	75.0	68.8	79.4	50.0	71
	Nonresident	17.1	8.3	31.3	10.3	40.0	4
	19 and Younger 20-24	10.2 15.2	12.5 25.0	0.0 12.5	8.8 16.2	0.0 10.0	
	25-34	20.9	25.0	12.5	25.0	20.0	42
	35-44	20.6	20.8	37.5	14.7	10.0	19
Age Group	45-54	10.9	8.3	6.3	16.2	10.0	14
	55-64	4.8	0.0	0.0	7.4	10.0	
	65 and Older Unknown	0.4 17.1	0.0 8.3	0.0 31.3	1.5	0.0 40.0	(
Turnover	% Still Working 1 Quarter After Hire	70.6	66.7	37.5	82.4	90.0	60

# Wages and Projected Wages at Placement

_		Nev	w Hires (Mai	ntenance and	l Repair Wor	kers, General S	OC 49-9071) By	Industry Fo	or Two Years (2	011Q4 - 2013Q	3)			New H	res (Mainten	ance and Repai	r Workers,	General SOC 49	9-9071) By Indi	ustry For Two Y	ears (2011Q4 - :	2013Q3)
		Total	Ag, Forestry, Fishing & Hunting	Mining	Utilities	Construction	Manufacturing	Wholesale Trade	Retail Trade	Transportation & Warehousing	Information	Finance and Insurance	Real Estate, Rental, and Leasing		Management of Companies and Enterprises	Administrative, Support and Waste Management	Educational Services	Health Care and Social Assistance	Arts, Entertainment, & Recreation	Accomodation & Food Services	Other Services (except Public Administration)	Public Administration
	Education	Posi		Post Secondary	Post Secondary	Post Secondary		Post Secondary	Post Secondary	Post Secondary	NA	Post Secondary	Post Secondary	Post Secondary	Post Secondary	Post Secondary	Post Secondary	NA	Post Secondary	Post Secondary	Post Secondary	Post Secondary
	Number	2075	N/D	56	61	79	98	N/D	N/D	N/D	NA	N/D	390	N/D	N/D	N/D	N/D	NA	N/D	768	58	367
	Average Hourly Wage for New Hire	\$12.69	) NA	\$15.00	\$24.42	\$13.25	\$17.00	\$14.50	\$16.19	\$13.00	NA	\$18.50	\$12.00	NA	\$12.50	\$10.00	\$17.13	NA	\$12.75	\$11.00	\$16.54	\$12.00
	Average Hourly Wage for Industry (May 2013)	\$20.03	NA.	\$32.56	\$35.45	\$13.40	\$31.69	\$16.41	\$16.29	\$21.42	NA	NA	\$13.79	\$19.93	NA	\$17.25	\$19.52	NA	\$17.11	\$15.52	\$15.43	\$19.52
	% Paid Piece Rate	0.0	0.0		0.0	0.0		0.0	0.0		NA					0.0	0.0				0.0	
% Offered	Health Insurance Retirement	50.1 45.2	100.0	33.3 33.3	100.0	50.0 50.0	50.0 50.0	50.0 0.0	100.0	100.0 100.0	NA NA	100.0 100.0	49.1 36.4	0.0		0.0	100.0		0.0	54.5 54.5	60.0 60.0	32.6 32.6
Benefits	Paid Leave	48.4	100.0	33.3	100.0	50.0	50.0	50.0	0.0	100.0	NA NA	100.0	50.4	0.0	-	0.0	100.0		0.0	54.5	60.0	32.6
	Service																					
	Orientation	63.7	100.0	33.3	27.8	50.0	60.0	0.0	100.0	100.0	NA	100.0	65.5	100.0	50.0	100.0	0.0	NA	75.0	63.6	80.0	69.6
	Critical Thinking	80.8	100.0	33.3	77.8	100.0	100.0	50.0	100.0	100.0	NA	100.0	67.3	100.0	50.0	100.0	0.0	NA	25.0	90.9	100.0	76.1
Skills Selected as "Important" (%)	Reading Comprehension	57.4	0.0	33.3	100.0	100.0	100.0	0.0	100.0	100.0	NA	100.0	60.0	100.0	50.0	100.0	0.0	NA	25.0	36.4	60.0	73.9
	Technology Design	52.9	0.0	0.0	77.8	50.0	50.0	50.0	100.0	100.0	NA	0.0	36.4	0.0	50.0	0.0	0.0	NA	25.0	63.6	40.0	63.0
	Operation and Control	74.4	100.0	33.3	94.4	0.0	30.0	50.0	100.0	100.0	NA	100.0	60.0	0.0	50.0	100.0	50.0	NA	25.0	90.9	60.0	93.5
Employers'	Satisfied	63.5	100.0	100.0	100.0	50.0	80.0	100.0	100.0	100.0	NA	0.0	65.5	100.0	100.0	100.0	50.0	NA	50.0	54.5	80.0	54.3 6.5
Satisfaction with	Not Satisfied Neither	5.2 23.3	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	NA NA	0.0	9.1 5.5	0.0	0.0	0.0	50.0		25.0 25.0	0.0 45.5	0.0 20.0	21.7
New Hires' Skills	Other	8.1	0.0	0.0	0.0	0.0		0.0	0.0	0.0	NA NA	100.0	20.0	0.0		0.0	0.0		0.0	0.0	0.0	17.4
	20 or Less	13.7	0.0	0.0	11.8	0.0		0.0	0.0	0.0	NA	0.0	21.3	0.0		0.0	0.0		100.0	0.0	25.0	30.0
Average Weekly	21-35	24.7	0.0	0.10	0.0	0.0		0.0	0.0	0.0	NA	0.0	14.9	0.0	0.0	0.0	0.0		0.0	55.6	0.0	
Hours	36 or More	61.6	0.0	100.0	88.2	100.0	70.0	100.0	100.0	100.0	NA	100.0	63.8	0.0	50.0	100.0	100.0	NA	0.0	44.4	75.0	57.5
	Female	20.1	50.0	33.3	16.7	0.0	0.0	0.0	0.0	0.0	NA	0.0	23.6	0.0	0.0	0.0	0.0		25.0	27.3	0.0	19.6
Gender	Male	69.0	50.0	66.7	83.3	100.0	90.0	100.0	100.0	100.0	NA	100.0	67.3	50.0	100.0	100.0	100.0	NA	25.0	54.5	100.0	76.1
	Nonresident	10.9	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	NA	0.0	9.1	50.0	0.0	0.0	0.0		50.0	18.2	0.0	4.3
	19 and Younger	11.0	0.0	33.3	0.0	0.0	10.0	0.0	0.0	0.0	NA	0.0	0.0	0.0	50.0	100.0	0.0		0.0	9.1	0.0	28.3
	20-24 25-34	18.0	0.0	33.3 33.3	27.8 44.4	50.0	10.0 20.0	100.0	100.0	100.0	NA NA	0.0	18.2 27.3	0.0	0.0	0.0	50.0		0.0	18.2 18.2	0.0 60.0	13.0 17.4
-	25-34 35-44	12.9	50.0	0.0	16.7	50.0	20.0	0.0	0.0	0.0	NA NA	100.0	29.1	50.0	0.0	0.0	0.0		0.0	0.0	40.0	17.4
Age Group	45-54	15.2	0.0		11.1	0.0		0.0	0.0	0.0	NA NA	0.0	7.3	0.0		0.0	50.0		0.0		0.0	13.0
	55-64	6.1	0.0	0.0	0.0	0.0		0.0	0.0	0.0	NA NA	0.0	3.6	0.0	0.0	0.0	0.0		0.0	9.1	0.0	6.5
	65 and Older	1.3	0.0	0.0	0.0	0.0		0.0	0.0	0.0	NA	0.0	3.6	0.0	50.0	0.0	0.0		25.0	0.0	0.0	0.0
	Unknown	12.8	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	NA	0.0	10.9	50.0	0.0	0.0	0.0	NA	75.0	18.2	0.0	10.9
Turnover	% Still Working 1 Quarter After Hire	85.7	100.0	100.0	100.0	0.0	80.0	100.0	100.0	100.0	NA	100.0	83.6	100.0	50.0	100.0	100.0	NA	100.0	100.0	40.0	73.9

### High Growth, High Demand

Wyoming Occupational Projections and Average Hourly Wage for Occupations with and Average Hourly Wage >= \$14.00 and Projected Employment Growth >= 200 Jobs Over the Next Decade

Ves         47-2031         Carpenters         3,908         4,706         798         20.4         \$19.66 H.S. Diploma or equiv.           Ves         49-9041         Industrial Machinery Mechanics         2,407         3,115         708         29.4         \$27.21 Post-Secondary Cert.           No         29-1141         Registered Nurses         4,738         5,619         881         18.6         \$29.59 Fo.8sociates begree           No         1-1021         General and Operations Managers         7,081         7,901         820         1.6         \$22.28 Hs. Diploma or equiv.           No         41-1021         General and Operations Managers         5,332         6,153         801         15         \$58-94 Associates Degree           No         47-2051         Construction Laborers         3,793         6,576         660         16.9         \$15.6 LB. Diploma or equiv.           No         47-2051         Construction Laborers         3,743         4,323         580         15.5         \$31.6 BB. Diploma or equiv.           No         47-2011         Eleventracion and Administrative Assistants, Except Legal, Medical, and Executive         4,787         5,412         625         13.1         \$16.0 BB. Diploma or equiv.           No         47-2011         Eleventrac	WWDC Criteria	SOC Code	SOC Title	Employment 2012	Employment 2022	Net Change Po	ercent Change Hour	ly Wage Typical Education
No   29-114  Registered Nurses   4,788   5,619   881   18.6   \$29.56 Associate's Degree   1.00   53-302  Heavy and Tractor-Trailer Truck Drivers   7,081   7,901   820   11.6   \$22.28 H.S. Diploma or equiv.   1.00   1.01   1	Yes	47-2031	Carpenters			_	=	\$19.66 H.S. Diploma or equiv.
No	Yes	49-9041	Industrial Machinery Mechanics	2,407	3,115	708	29.4	\$27.21 Post-Secondary Cert.
No         11-1021         General and Operations Managers         5,352         6,153         801         15         \$5.94 Associate's Degree           No         43-3031         Bookkeeping, Accounting, and Auditing Clerks         4,718         5,396         678         1.4.4         \$17.52 H.S. Diploma or equiv.           No         47-2061         Construction Laborers         3,007         4,567         660         16.9         \$15,61 H.S. Diploma or equiv.           No         47-6011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         \$31.68 H.S. Diploma or equiv.           No         47-9011         Maintenance and Repair Workers, General         3,966         4,442         476         12         \$20,918 H.S. Diploma or equiv.           No         47-9971         Maintenance and Repair Workers, General         5,630         6,087         457         8.1         \$1.61 H.S. Diploma or equiv.           No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.928 Post-Secondary Cert.           No         47-2121         Electricians         2,751         3,171         420         15.3         \$25.818 B.A. Degree           No         47-203	No	29-1141	Registered Nurses	4,738	5,619	881	18.6	\$29.56 Associate's Degree
No         43-3031         Bookkeeping, Accounting, and Auditing Clerks         4,718         5,396         678         14.4         \$17.52 H.S. Diploma or equiv.           No         47-2061         Construction Laborers         3,907         4,567         660         16.9         \$15.61 H.S. Diploma or equiv.           No         47-1011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         \$31.68 H.S. Diploma or equiv.           No         47-1011         First-Line Supervisors of Construction Trades and Extraction Workers         3,766         4,422         476         12         \$20.03 H.S. Diploma or equiv.           No         43-9011         Office Clerks, General         5,630         6,087         457         8.1         \$14.61 L.S. Diploma or equiv.           No         47-2112         Electricians         2,751         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         47-2121         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.63 B.A. or M.A. Diploma or equiv.           No         47-207         Seles Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products         1,15         1,19         1,34 <td>No</td> <td>53-3032</td> <td>Heavy and Tractor-Trailer Truck Drivers</td> <td>7,081</td> <td>7,901</td> <td>820</td> <td>11.6</td> <td>\$22.28 H.S. Diploma or equiv.</td>	No	53-3032	Heavy and Tractor-Trailer Truck Drivers	7,081	7,901	820	11.6	\$22.28 H.S. Diploma or equiv.
No         47-2061         Construction Laborers         3,907         4,567         660         16.9         \$15.61 H.S. Diploma or equiv.           No         43-6014         Secretaries and Administrative Assistants, Except Legal, Medical, and Executive         4,787         5,412         625         13.1         \$16.08 H.S. Diploma or equiv.           No         47-1011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         \$31.68 H.S. Diploma or equiv.           No         49-9071         Maintenance and Repair Workers, General         3,966         4,422         476         12         \$20.03 H.S. Diploma or equiv.           No         49-9071         Maintenance and Repair Workers, General         2,669         3,031         382         14.4         \$25.020 H.S. Diploma or equiv.           No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.82 Post Secondary Cert.           No         47-2112         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.63 B.A. or M.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         373         6	No	11-1021	General and Operations Managers	5,352	6,153	801	15	\$45.94 Associate's Degree
No         43-6014         Secretaries and Administrative Assistants, Except Legal, Medical, and Executive         4,787         5,412         625         13.1         \$16.08 H.S. Diploma or equiv.           No         47-1011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,233         580         15.5         \$31.60 H.S. Diploma or equiv.           No         49-9071         Maintenance and Repair Workers, General         3,966         4,42         476         12         \$20.00 H.S. Diploma or equiv.           No         43-9010         Office Clerks, General         5,630         6,087         457         8.1         \$14.61 D.S. Diploma or equiv.           No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         47-2112         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.68 B.A. or M.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6,7         \$23.66 H.S. Diploma or squiv.           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         37	No	43-3031	Bookkeeping, Accounting, and Auditing Clerks	4,718	5,396	678	14.4	\$17.52 H.S. Diploma or equiv.
No         47-1011         First-Line Supervisors of Construction Trades and Extraction Workers         3,743         4,323         580         15.5         \$31.68 H.S. Diploma or equiv.           No         49-9071         Maintenance and Repair Workers, General         3,966         4,442         476         12         \$20.03 H.S. Diploma or equiv.           No         43-9016         Office Clerks, General         5,630         6,087         457         8.1         \$14.61 H.S. Diploma or equiv.           No         47-2111         Electricians         2,751         3,171         420         15.3         \$258 Epost-Secondary Cert.           No         47-2012         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.63 B.A. or M.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma	No	47-2061	Construction Laborers	3,907	4,567	660	16.9	\$15.61 H.S. Diploma or equiv.
No         49-9071         Maintenance and Repair Workers, General         3,966         4,442         476         12         \$20.03 H.S. Diploma or equiv.           No         43-9061         Office Clerks, General         5,630         6,087         457         8.1         \$14.61 H.S. Diploma or equiv.           No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         25-2021         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         257.63 B.A. or M.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or Some college           No         47-5013         Service Unit Operators, Oil, Gas, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or Some college           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv. <td>No</td> <td>43-6014</td> <td>Secretaries and Administrative Assistants, Except Legal, Medical, and Executive</td> <td>4,787</td> <td>5,412</td> <td>625</td> <td>13.1</td> <td>\$16.08 H.S. Diploma or equiv.</td>	No	43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	4,787	5,412	625	13.1	\$16.08 H.S. Diploma or equiv.
No         43-9061         Office Clerks, General         5,630         6,087         457         8.1         \$14.61 H.S. Diploma or equiv.           No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         25-2021         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.638 B.A. or M.A. Degree           No         41-4012         Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products         2,115         2,494         379         17.9         \$28.18 B.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or equiv.           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04	No	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	3,743	4,323	580	15.5	\$31.68 H.S. Diploma or equiv.
No         47-2111         Electricians         2,751         3,171         420         15.3         \$25.82 Post-Secondary Cert.           No         25-2021         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.63 B.A. or M.A. Degree           No         41-4012         Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products         2,115         2,494         379         17.9         \$28.18 B.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or some college           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-1011         Customer Service Representatives         1,919         2,260         341         17.8	No	49-9071	Maintenance and Repair Workers, General	3,966	4,442	476	12	\$20.03 H.S. Diploma or equiv.
No         25-2021         Elementary School Teachers, Except Special Education         2,649         3,031         382         14.4         \$27.63 B.A. or M.A. Degree           No         41-4012         Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products         2,115         2,494         379         17.9         \$28.18 B.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or equiv.           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295	No	43-9061	Office Clerks, General	5,630	6,087	457	8.1	\$14.61 H.S. Diploma or equiv.
No         41-4012         Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products         2,115         2,494         379         17.9         \$28.18 B.A. Degree           No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or Some college           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274	No	47-2111	Electricians	2,751	3,171	420	15.3	\$25.82 Post-Secondary Cert.
No         47-2073         Operating Engineers and Other Construction Equipment Operators         5,543         5,917         374         6.7         \$23.66 H.S. Diploma or equiv.           No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or Some college           No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22	No	25-2021	Elementary School Teachers, Except Special Education	2,649	3,031	382	14.4	\$27.63 B.A. or M.A. Degree
No         43-6013         Medical Secretaries         1,169         1,534         365         31.2         \$15.06 H.S. Diploma or Some college of Some	No	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,115	2,494	379	17.9	\$28.18 B.A. Degree
No         53-7062         Laborers and Freight, Stock, and Material Movers, Hand         2,269         2,625         356         15.7         \$15.15 H.S. Diploma or equiv.           No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$29.37 On-job training or A.A.           No         41-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238         6.4         \$19.02 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$1	No	47-2073	Operating Engineers and Other Construction Equipment Operators	5,543	5,917	374	6.7	\$23.66 H.S. Diploma or equiv.
No         47-5013         Service Unit Operators, Oil, Gas, and Mining         3,130         3,472         342         10.9         \$24.04 H.S. Diploma or equiv.           No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         41-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,735         3,933         238         6.4         \$19.02 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or equiv.           No         47-2112         Painters, Construction and Maintenance         1,092         1,304         212         19.4	No	43-6013	Medical Secretaries	1,169	1,534	365	31.2	\$15.06 H.S. Diploma or Some college
No         43-4051         Customer Service Representatives         1,919         2,260         341         17.8         \$14.14 H.S. Diploma or equiv.           No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         41-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238         6.4         \$19.02 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or equiv.           No         47-2141         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or	No	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,269	2,625	356	15.7	\$15.15 H.S. Diploma or equiv.
No         51-4121         Welders, Cutters, Solderers, and Brazers         2,437         2,732         295         12.1         \$23.59 Post-Secondary Cert. or A.A.           No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         41-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238         6.4         \$19.02 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or equiv.           No         47-2141         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or equiv.	No	47-5013	Service Unit Operators, Oil, Gas, and Mining	3,130	3,472	342	10.9	\$24.04 H.S. Diploma or equiv.
No         13-2011         Accountants and Auditors         1,887         2,161         274         14.5         \$29.77 B.A. Degree           No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         41-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238         6.4         \$19.02 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or equiv.           No         47-2141         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or equiv.	No	43-4051	Customer Service Representatives	1,919	2,260	341	17.8	\$14.14 H.S. Diploma or equiv.
No         43-1011         First-Line Supervisors of Office and Administrative Support Workers         1,928         2,170         242         12.6         \$22.37 On-job training or A.A.           No         41-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238         6.4         \$19.02 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or equiv.           No         47-2141         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or equiv.	No	51-4121	Welders, Cutters, Solderers, and Brazers	2,437	2,732	295	12.1	\$23.59 Post-Secondary Cert. or A.A.
No         41-1011         First-Line Supervisors of Retail Sales Workers         3,735         3,973         238         6.4         \$19.02 On-job training or A.A.           No         53-3033         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or equiv.           No         47-2141         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or equiv.	No	13-2011	Accountants and Auditors	1,887	2,161	274	14.5	\$29.77 B.A. Degree
No         53-303         Light Truck or Delivery Services Drivers         1,475         1,692         217         14.7         \$17.35 H.S. Diploma or equiv.           No         47-2141         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or equiv.	No	43-1011	First-Line Supervisors of Office and Administrative Support Workers	1,928	2,170	242	12.6	\$22.37 On-job training or A.A.
No         47-2141         Painters, Construction and Maintenance         1,092         1,304         212         19.4         \$17.62 H.S. Diploma or equiv.           No         47-2152         Plumbers, Pipefitters, and Steamfitters         1,085         1,294         209         19.3         \$20.35 H.S. Diploma or equiv.	No	41-1011	First-Line Supervisors of Retail Sales Workers	3,735	3,973	238	6.4	\$19.02 On-job training or A.A.
No 47-2152 Plumbers, Pipefitters, and Steamfitters 1,085 1,294 209 19.3 \$20.35 H.S. Diploma or equiv.	No	53-3033	Light Truck or Delivery Services Drivers	1,475	1,692	217	14.7	\$17.35 H.S. Diploma or equiv.
	No	47-2141	Painters, Construction and Maintenance	1,092	1,304	212	19.4	\$17.62 H.S. Diploma or equiv.
No 47-5071 Roustabouts, Oil and Gas 2,044 2,253 209 10.2 \$19.42 H.S. Diploma or less	No	47-2152	Plumbers, Pipefitters, and Steamfitters	1,085	1,294	209	19.3	\$20.35 H.S. Diploma or equiv.
	No	47-5071	Roustabouts, Oil and Gas	2,044	2,253	209	10.2	\$19.42 H.S. Diploma or less

Source: Wyoming's Occupational Projections 2012 to 2022 and Wyoming's Occupational Employment Statistics 2013. Wyoming Department of Workforce Services, Research & Planning. T Glover, WYDWS Research and Planning. 08/01/2014

### **Training Opportunities**

Occupation	High Growth	Labor Shortage
Welders	YES	NO
Electricians	YES	YES
Operating Engineers and Other Construction Equipment Operators	YES	YES

#### **Evaluation**

- Workforce opportunities list endorsed September 2014
- First trainees enter program 4<sup>th</sup> Quarter 2014
- 4<sup>th</sup> Quarter 2015: did trainee get job?
- ▶ 1<sup>st</sup> Quarter 2016: where are they employed?
- Evaluation needs to be built in up front, otherwise necessary data are missing & program evaluation is costly

### Future Research / Reporting

- Workforce Development Training Fund Evaluation
- Statewide Workforce Development Plan
- Hiring of 18 to 20 year-olds in Wyoming: Series in Labor Force Trends
- Hathaway Scholarship Analysis

#### Questions?

#### **Research & Planning**

Wyoming Department of Workforce Services P.O. Box 2760 246 S. Center St. Casper, WY 82601 (307) 473-3807



### DWS-RESEARCHPLANNING@wyo.gov http://wyomingLMI.org

Tom Gallagher, Manager tom.gallagher@wyo.gov

