

# Energy Occupations for Metro Denver

Data Includes 7 Counties: Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, and Jefferson  
projected high demand/growth through 2020

In Demand Occupation by Education Level		Experience and Training		Energy Industry Specific Data			Aggregate Occupational Data Across All Industries					Earnings Data		
Occupation		Work Experience Required	Typical On-The-Job Training	Employed in Industry (2014)	Employed in Industry (2020)	Change in industry (2014 - 2020)	Total jobs (2014)	Total jobs (2020)	Change (2014 - 2020)	% Change (2010 - 2020)	Annual Openings	Pct. 25 Hourly Earnings	Median Hourly Earnings	Pct. 75 Hourly Earnings
HS Diploma	Derrick Operators, Oil and Gas	None	Short-term	150	294	157	151	295	157	114%	27	\$22.23	\$25.76	\$29.43
	Electrical Power-Line Installers and Repairers	None	Long-term	1,088	1,094	124	1,317	1,336	149	13%	68	\$25.54	\$35.45	\$40.41
	Helpers--Extraction Workers	None	Moderate-term	576	1,018	394	594	1,039	400	63%	84	\$17.45	\$19.09	\$20.36
	Machinists	None	Long-term	213	273	102	2,793	3,076	747	32%	144	\$14.88	\$20.26	\$25.03
	Operating Engineers and Other Construction Equipment Operators	None	Moderate-term	759	826	235	3,680	3,758	604	19%	157	\$17.25	\$20.56	\$24.45
	Petroleum Pump System Operators, Refinery Operators, and Gaugers	None	Long-term	289	389	118	339	432	109	34%	28	\$30.16	\$33.64	\$37.26
	Pipelayers	None	Short-term	482	480	76	1,083	1,095	145	15%	37	\$13.86	\$16.13	\$19.16
	Production Workers, All Other	None	Moderate-term	163	205	60	2,211	2,425	496	26%	114	\$12.55	\$14.72	\$18.10
	Rotary Drill Operators, Oil and Gas	None	Moderate-term	487	726	371	492	731	370	102%	65	\$25.25	\$31.72	\$36.08
	Roustabouts, Oil and Gas	None	Moderate-term	631	1,036	541	680	1,090	553	103%	85	\$16.15	\$18.09	\$23.94
	Service Unit Operators, Oil, Gas, and Mining	None	Moderate-term	516	909	489	556	952	497	109%	87	\$17.04	\$20.68	\$26.94
	Welders, Cutters, Solderers, and Brazers	None	Moderate-term	356	412	122	2,501	2,629	457	21%	119	\$15.88	\$17.97	\$21.42
Associate's Degree	Chemical Technicians	None	Moderate-term	312	368	96	653	737	165	29%	34	\$15.71	\$18.59	\$24.94
	Engineering Technicians, Except Drafters, All Other	None	None	371	433	93	1,120	1,216	172	16%	43	\$23.14	\$31.73	\$38.62
	Environmental Science and Protection Technicians, Including Health	None	None	215	248	66	576	668	186	39%	43	\$19.41	\$23.67	\$30.21
	Geological and Petroleum Technicians	None	Moderate-term	284	381	59	361	463	73	19%	33	\$24.75	\$33.33	\$40.35
	Life, Physical, and Social Science Technicians, All Other	None	None	184	214	47	812	911	155	21%	54	\$15.76	\$19.72	\$25.90
	Mechanical Engineering Technicians	None	None	224	277	92	400	474	134	39%	22	\$21.63	\$27.83	\$32.78
Bachelor's Degree	Atmospheric and Space Scientists	None	None	382	411	39	1,070	1,177	183	18%	47	\$41.37	\$51.67	\$64.08
	Biological Technicians	None	None	497	571	121	1,982	2,203	393	22%	115	\$16.87	\$20.96	\$26.98
	Chemical Engineers	None	None	240	289	83	415	479	118	33%	22	\$31.40	\$43.19	\$54.24
	Chemists	None	None	470	534	102	1,298	1,405	213	18%	57	\$24.12	\$34.34	\$46.37
	Compliance Officers	None	Moderate-term	234	288	92	3,133	3,439	542	19%	119	\$24.53	\$31.69	\$39.72
	Cost Estimators	None	None	892	986	266	3,468	3,634	676	23%	183	\$22.26	\$28.24	\$35.80
	Environmental Scientists and Specialists, Including Health	None	None	960	1,109	296	2,397	2,688	630	31%	138	\$27.28	\$34.43	\$46.55
	Geoscientists, Except Hydrologists and Geographers	None	None	1,881	2,262	545	2,473	2,906	675	30%	174	\$38.00	\$47.37	\$61.10
	Logisticians	None	None	296	380	148	1,917	2,235	614	38%	85	\$26.05	\$33.60	\$43.47
	Mining and Geological Engineers, Including Mining Safety Engineers	None	None	214	257	80	293	338	87	35%	17	\$36.13	\$47.52	\$62.27