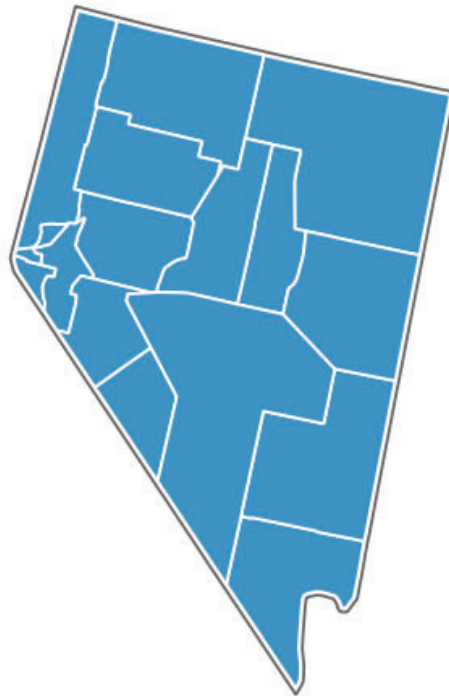


Nevada's Natural Resource Technologies Sector



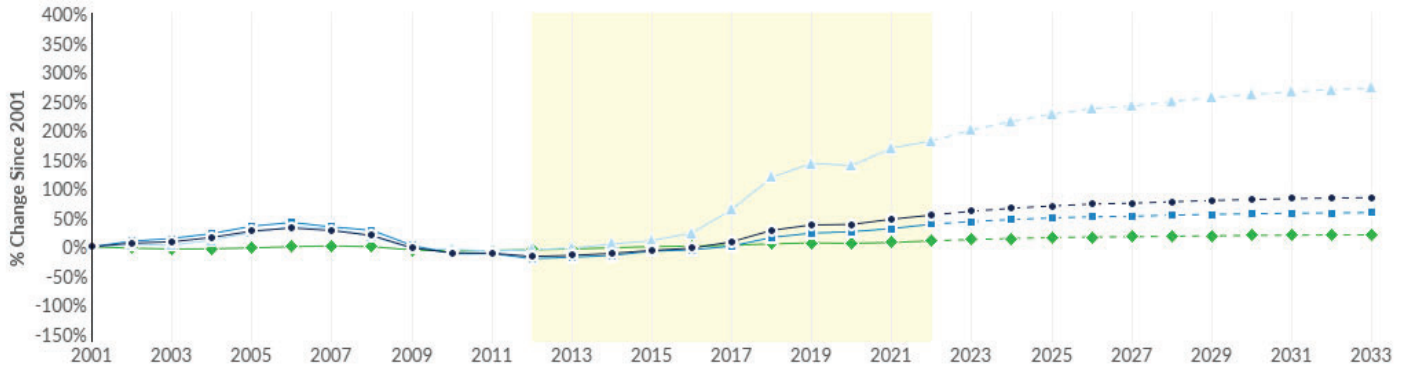
Industry Summary for Natural Resource Technologies

83,225 Jobs (2022) 21% below National average	85.0% % Change (2012-2022) Nation: 15.9%	\$96,452 Avg. Earnings Per Job (2022) Nation: \$91,528
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Industry Detail

Payrolled Business Locations (2022)	3,946
Jobs Multiplier	3

Regional Trends



	Region	2012 Jobs	2022 Jobs	Change	% Change
●	Nevada	44,983	83,225	38,242	85.0%
●	Las Vegas, NV Metro	24,986	43,549	18,562	74.3%
●	Reno, NV Metro	9,148	27,108	17,960	196.3%
●	United States	9,503,395	11,013,671	1,510,277	15.9%

Regional Breakdown of Nevada's Natural Resource Technologies Sector

County	Jobs (2012)	Jobs (2022)	Job Change (2012 - 2022)	Job Change %	Earnings (2022)	Jobs LQ (2022)
Clark County	24,986	43,549	18,562	74%	\$92,550	0.57
Washoe County	8,899	14,657	5,758	65%	\$89,162	0.89
Storey County	249	12,450	12,202	4907%	\$126,211	9.57
Nye County	1,906	2,531	625	33%	\$106,024	2.81
Douglas County	1,879	2,123	243	13%	\$94,889	1.56
Lyon County	1,439	1,730	291	20%	\$72,512	1.81
Elko County	1,695	1,480	(215)	(13%)	\$82,983	0.98
Carson City County	916	1,468	551	60%	\$82,584	0.72
Churchill County	921	1,163	242	26%	\$79,644	1.66
Humboldt County	996	743	(253)	(25%)	\$85,738	1.41
[Nevada, county not reported]	137	375	238	173%	\$126,851	0.17
White Pine County	377	254	(123)	(33%)	\$75,382	0.84
Lincoln County	107	224	116	108%	\$66,332	2.41
Eureka County	117	153	37	32%	\$123,449	0.54
Lander County	110	135	24	22%	\$74,268	0.57
Pershing County	172	117	(55)	(32%)	\$65,993	0.86
Esmeralda County	45	45	(0)	(1%)	\$56,316	2.18
Mineral County	31	29	(1)	(4%)	\$77,383	0.29
	44,983	83,225	38,242	85%	\$96,452	

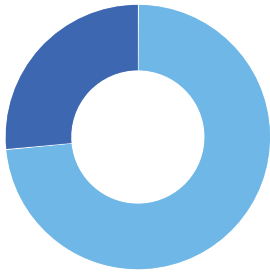
Top Occupations Employed in these Industries

Description	Employed in Industry Group (2022)	% of Total Jobs in Industry Group (2022)
Plumbers, Pipefitters, and Steamfitters	5,695	6.8%
Construction Laborers	3,220	3.9%
General and Operations Managers	2,680	3.2%
Miscellaneous Assemblers and Fabricators	2,477	3.0%
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,275	2.7%

Industry Requirements (Top Supply Chain)

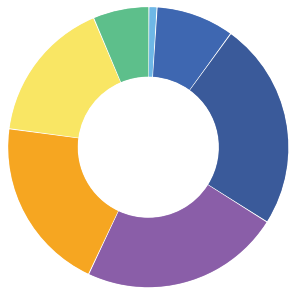
Purchases from	In-region Purchases	Imported Purchases	Total Purchases
Nonferrous Metal (except Aluminum) Smelting and Refining	\$30,767,334	\$370,081,583	\$400,848,917
Animal Production	\$36,367,746	\$281,616,693	\$317,984,439
Corporate, Subsidiary, and Regional Managing Offices	\$216,597,707	\$78,006,228	\$294,603,935
Petroleum Refineries	\$28,737,982	\$255,125,136	\$283,863,118
Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	\$41,946,247	\$236,595,127	\$278,541,374

Industry Gender Breakdown



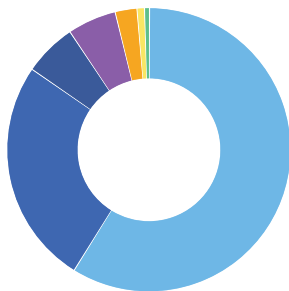
Gender	2022 Jobs	2022 Percent
● Males	61,101	73.4%
● Females	22,123	26.6%

Industry Age Breakdown



Age	2022 Jobs	2022 Percent
● 14-18	775	0.9%
● 19-24	7,484	9.0%
● 25-34	19,931	23.9%
● 35-44	19,184	23.1%
● 45-54	16,733	20.1%
● 55-64	13,755	16.5%
● 65+	5,362	6.4%

Industry Race/Ethnicity Breakdown



Race/Ethnicity	2022 Jobs	2022 Percent
● White	48,910	58.8%
● Hispanic or Latino	21,434	25.8%
● Asian	5,004	6.0%
● Black or African American	4,626	5.6%
● Two or More Races	2,064	2.5%
● American Indian or Alaska Native	711	0.9%
● Native Hawaiian or Other Pacific Islander	474	0.6%

Industry Breakdown of Nevada's Natural Resource Technologies Sector

NAICS	Description	2012 Jobs	2022 Jobs	2012 - 2022 Change	Avg. Earnings Per Job	2022 Location Quotient
238220	Plumbing, Heating, and Air-Conditioning Contractors	6,635	14,292	7,657	\$85,816	1.01
335911	Storage Battery Manufacturing	0	12,118	12,118	\$126,224	32.04
541330	Engineering Services	6,547	8,854	2,307	\$111,907	0.81
238910	Site Preparation Contractors	2,594	6,456	3,862	\$70,679	1.44
111000	Crop Production	1,247	4,196	2,949	\$58,231	0.51
541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)	2,892	3,505	613	\$134,735	0.70
237110	Water and Sewer Line and Related Structures Construction	1,579	3,243	1,664	\$86,205	1.40
541380	Testing Laboratories	1,950	2,721	771	\$85,542	1.60
237130	Power and Communication Line and Related Structures Construction	1,551	2,067	516	\$93,585	0.75
221122	Electric Power Distribution	1,830	1,738	(92)	\$177,504	0.83
112000	Animal Production	1,510	1,634	124	\$52,642	0.36
423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	541	1,280	739	\$90,364	1.13
221210	Natural Gas Distribution	1,210	1,244	34	\$184,486	1.15
444220	Nursery, Garden Center, and Farm Supply Stores	777	1,224	447	\$45,930	0.78
541620	Environmental Consulting Services	640	961	321	\$97,493	1.05
237120	Oil and Gas Pipeline and Related Structures Construction	435	803	369	\$86,803	0.50
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	823	687	(137)	\$125,587	1.25
813312	Environment, Conservation and Wildlife Organizations	395	666	270	\$52,649	0.94
541370	Surveying and Mapping (except Geophysical) Services	234	574	339	\$102,123	1.09
312112	Bottled Water Manufacturing	66	571	504	\$87,233	3.19
423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	336	571	235	\$107,071	0.77
562212	Solid Waste Landfill	407	545	137	\$100,924	1.42

237990	Other Heavy and Civil Engineering Construction	445	529	84	\$119,856	0.37
311991	Perishable Prepared Food Manufacturing	311	527	216	\$44,088	0.88
115210	Support Activities for Animal Production	262	503	242	\$20,267	1.03
812332	Industrial Launderers	1,198	474	(724)	\$89,906	0.79
221112	Fossil Fuel Electric Power Generation	630	469	(160)	\$221,511	0.65
311412	Frozen Specialty Food Manufacturing	320	453	133	\$61,905	0.73
311520	Ice Cream and Frozen Dessert Manufacturing	605	434	(171)	\$74,359	1.83
115115	Farm Labor Contractors and Crew Leaders	442	428	(15)	\$34,238	0.14
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	160	421	261	\$49,361	1.40
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	123	405	282	\$73,614	2.04
311942	Spice and Extract Manufacturing	259	334	75	\$82,792	1.28
312111	Soft Drink Manufacturing	106	319	213	\$73,178	0.41
311352	Confectionery Manufacturing from Purchased Chocolate	195	307	113	\$57,638	0.99
311612	Meat Processed from Carcasses	98	307	209	\$51,717	0.22
562991	Septic Tank and Related Services	170	303	134	\$74,559	0.94
311919	Other Snack Food Manufacturing	12	282	270	\$55,008	0.63
311920	Coffee and Tea Manufacturing	263	275	12	\$61,899	1.06
311511	Fluid Milk Manufacturing	202	260	57	\$81,612	0.50
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	94	247	153	\$104,666	0.60
311421	Fruit and Vegetable Canning	137	236	99	\$80,599	0.42
221116	Geothermal Electric Power Generation	169	233	64	\$157,502	20.10
332911	Industrial Valve Manufacturing	258	229	(29)	\$86,231	0.91
335912	Primary Battery Manufacturing	<10	210	Insf. Data	\$94,327	4.31
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	316	205	(111)	\$151,629	0.65
334417	Electronic Connector Manufacturing	113	198	84	\$55,920	0.91
326122	Plastics Pipe and Pipe Fitting Manufacturing	248	189	(59)	\$84,470	0.64

221310	Water Supply and Irrigation Systems	96	186	89	\$78,197	0.38
312140	Distilleries	<10	181	Insf. Data	\$77,059	0.76
311340	Nonchocolate Confectionery Manufacturing	106	175	69	\$57,193	0.75
334419	Other Electronic Component Manufacturing	169	170	1	\$56,532	0.28
333912	Air and Gas Compressor Manufacturing	47	169	122	\$116,353	0.94
312120	Breweries	11	166	155	\$49,752	0.16
562211	Hazardous Waste Treatment and Disposal	137	165	28	\$81,535	0.44
221114	Solar Electric Power Generation	<10	154	Insf. Data	\$160,228	1.90
311119	Other Animal Food Manufacturing	64	146	82	\$85,302	0.41
335311	Power, Distribution, and Specialty Transformer Manufacturing	<10	145	Insf. Data	\$130,357	0.57
325180	Other Basic Inorganic Chemical Manufacturing	232	137	(95)	\$131,910	0.36
311230	Breakfast Cereal Manufacturing	98	134	37	\$95,986	1.15
311513	Cheese Manufacturing	0	133	133	\$93,062	0.24
115310	Support Activities for Forestry	16	123	107	\$135,967	0.58
334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	74	113	39	\$54,014	0.70
325199	All Other Basic Organic Chemical Manufacturing	39	99	60	\$147,362	0.25
311830	Tortilla Manufacturing	71	99	28	\$44,571	0.52
562998	All Other Miscellaneous Waste Management Services	32	92	60	\$75,073	0.42
541360	Geophysical Surveying and Mapping Services	110	92	(18)	\$83,333	0.70
311930	Flavoring Syrup and Concentrate Manufacturing	16	85	69	\$91,703	1.00
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	77	84	7	\$74,587	0.23
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	62	81	19	\$71,476	0.28
332420	Metal Tank (Heavy Gauge) Manufacturing	72	75	3	\$74,005	0.22

334519	Other Measuring and Controlling Device Manufacturing	62	73	12	\$81,665	0.20
311351	Chocolate and Confectionery Manufacturing from Cacao Beans	0	67	67	\$113,167	0.70
311999	All Other Miscellaneous Food Manufacturing	54	66	12	\$63,941	0.17
311423	Dried and Dehydrated Food Manufacturing	122	65	(56)	\$69,572	0.54
115114	Postharvest Crop Activities (except Cotton Ginning)	82	62	(20)	\$57,300	0.07
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	0	57	57	\$80,206	0.31
311710	Seafood Product Preparation and Packaging	122	53	(70)	\$50,571	0.16
562219	Other Nonhazardous Waste Treatment and Disposal	<10	51	Insf. Data	\$76,460	0.26
311111	Dog and Cat Food Manufacturing	66	50	(16)	\$93,966	0.15
333241	Food Product Machinery Manufacturing	19	48	29	\$74,806	0.24
115112	Soil Preparation, Planting, and Cultivating	29	47	18	\$69,749	0.14
221320	Sewage Treatment Facilities	<10	45	Insf. Data	\$112,418	0.70
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	28	45	17	\$38,265	0.22
332912	Fluid Power Valve and Hose Fitting Manufacturing	65	44	(20)	\$79,325	0.13
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	39	41	2	\$85,567	0.22
311615	Poultry Processing	0	40	40	\$55,879	0.02
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	11	38	27	\$78,280	0.30
312230	Tobacco Manufacturing	<10	37	Insf. Data	\$100,105	0.35
316998	All Other Leather Good and Allied Product Manufacturing	77	36	(40)	\$49,131	0.28
333994	Industrial Process Furnace and Oven Manufacturing	30	35	5	\$71,387	0.41
325314	Fertilizer (Mixing Only) Manufacturing	23	33	10	\$64,779	0.39

486210	Pipeline Transportation of Natural Gas	40	33	(7)	\$148,950	0.11
333996	Fluid Power Pump and Motor Manufacturing	23	31	8	\$89,956	0.17
335929	Other Communication and Energy Wire Manufacturing	53	31	(22)	\$87,374	0.26
312130	Wineries	0	29	29	\$32,363	0.04
114111	Finfish Fishing	75	27	(48)	\$139,677	0.20
326191	Plastics Plumbing Fixture Manufacturing	81	24	(56)	\$84,121	0.15
332996	Fabricated Pipe and Pipe Fitting Manufacturing	29	24	(5)	\$64,515	0.08
333111	Farm Machinery and Equipment Manufacturing	0	22	22	\$50,847	0.03
332919	Other Metal Valve and Pipe Fitting Manufacturing	32	21	(11)	\$62,934	0.15
311225	Fats and Oils Refining and Blending	0	20	20	\$73,663	0.29
221115	Wind Electric Power Generation	26	20	(5)	\$149,014	0.27
335931	Current-Carrying Wiring Device Manufacturing	<10	20	Insf. Data	\$60,174	0.07
221121	Electric Bulk Power Transmission and Control	0	18	18	\$187,037	0.07
114210	Hunting and Trapping	60	18	(41)	\$14,521	0.48
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	170	17	(153)	\$73,325	0.02
115116	Farm Management Services	16	16	(0)	\$72,643	0.08
311613	Rendering and Meat Byproduct Processing	86	16	(70)	\$78,446	0.21
113310	Logging	<10	16	Insf. Data	\$22,662	0.02
312113	Ice Manufacturing	73	15	(58)	\$62,026	0.20
114112	Shellfish Fishing	15	<10	Insf. Data	Insf. Data	0.02
115113	Crop Harvesting, Primarily by Machine	<10	<10	Insf. Data	Insf. Data	0.06
221330	Steam and Air-Conditioning Supply	67	<10	Insf. Data	Insf. Data	0.02
311611	Animal (except Poultry) Slaughtering	0	<10	Insf. Data	Insf. Data	0.00

325120	Industrial Gas Manufacturing	15	<10	Insf. Data	Insf. Data	0.02
325320	Pesticide and Other Agricultural Chemical Manufacturing	0	<10	Insf. Data	Insf. Data	0.05
332913	Plumbing Fixture Fitting and Trim Manufacturing	12	<10	Insf. Data	Insf. Data	0.03
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	12	<10	Insf. Data	Insf. Data	0.02
333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing	163	<10	Insf. Data	Insf. Data	0.02
333995	Fluid Power Cylinder and Actuator Manufacturing	<10	<10	Insf. Data	Insf. Data	0.02
113110	Timber Tract Operations	0	0	0	\$0	0.00
113210	Forest Nurseries and Gathering of Forest Products	<10	0	Insf. Data	\$0	0.00
114119	Other Marine Fishing	0	0	0	\$0	0.00
115111	Cotton Ginning	0	0	0	\$0	0.00
211130	Natural Gas Extraction	0	0	0	\$0	0.00
221111	Hydroelectric Power Generation	0	0	0	\$0	0.00
221113	Nuclear Electric Power Generation	0	0	0	\$0	0.00
221117	Biomass Electric Power Generation	0	0	0	\$0	0.00
221118	Other Electric Power Generation	0	0	0	\$0	0.00
311211	Flour Milling	0	0	0	\$0	0.00
311212	Rice Milling	0	0	0	\$0	0.00
311213	Malt Manufacturing	0	0	0	\$0	0.00
311221	Wet Corn Milling	0	0	0	\$0	0.00
311224	Soybean and Other Oilseed Processing	<10	0	Insf. Data	\$0	0.00
311313	Beet Sugar Manufacturing	0	0	0	\$0	0.00
311314	Cane Sugar Manufacturing	0	0	0	\$0	0.00
311422	Specialty Canning	0	0	0	\$0	0.00
311512	Creamery Butter Manufacturing	0	0	0	\$0	0.00
311911	Roasted Nuts and Peanut Butter Manufacturing	0	0	0	\$0	0.00
325193	Ethyl Alcohol Manufacturing	0	0	0	\$0	0.00
325311	Nitrogenous Fertilizer Manufacturing	<10	0	Insf. Data	\$0	0.00
325312	Phosphatic Fertilizer Manufacturing	<10	0	Insf. Data	\$0	0.00

332410	Power Boiler and Heat Exchanger Manufacturing	55	0	(55)	\$0	0.00
333611	Turbine and Turbine Generator Set Units Manufacturing	62	0	(62)	\$0	0.00
334514	Totalizing Fluid Meter and Counting Device Manufacturing	74	0	(74)	\$0	0.00
335991	Carbon and Graphite Product Manufacturing	0	0	0	\$0	0.00
562213	Solid Waste Combustors and Incinerators	0	0	0	\$0	0.00
		44,983	83,225	38,242	\$96,452	

Data Sources and Calculations

Industry Data

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

Input-Output Data

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

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

State Data Sources

This report uses state data from the following agencies: Nevada Department of Employment, Training and Rehabilitation