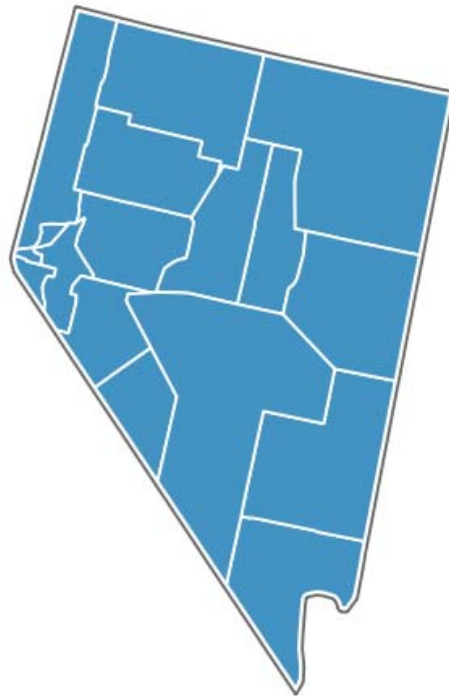


Nevada's Natural Resource Technologies Sector



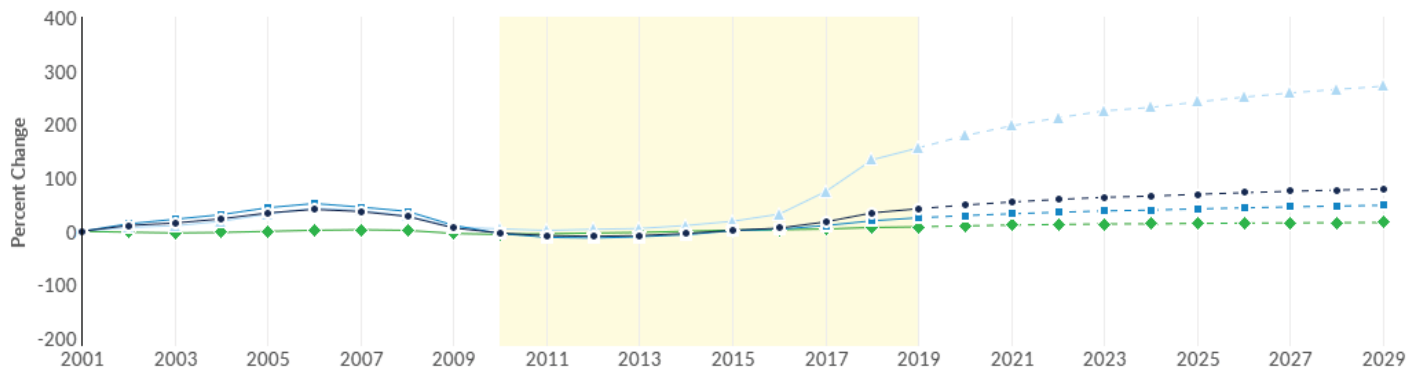
Industry Summary for Natural Resource Technologies

73,152 Jobs (2019) 23% below National average	47.2% % Change (2010-2019) Nation: 15.1%	\$81,034 Avg. Earnings Per Job (2019) Nation: \$80,608
---	--	--

Industry Detail

Payrolled Business Locations (2019)	3,794
Jobs Multiplier	3
Unemployed	Only Available for 2-Digit

Regional Trends



	Region	2010 Jobs	2019 Jobs	Change	% Change
●	Nevada	49,684	73,152	23,468	47.2%
●	Las Vegas-Henderson-Paradise, NV	28,452	37,222	8,770	30.8%
●	Reno, NV	9,561	23,430	13,869	145.1%
●	United States	8,984,844	10,339,659	1,354,815	15.1%

Regional Breakdown of Nevada's Natural Resource Technologies Sector

County Name	2010 Jobs	2019 Jobs	2010 - 2019 Change	2010 - 2019 % Change	Avg. Earnings Per Job	2019 Location Quotient
Clark County	28,452	37,222	8,770	31%	\$83,117	0.54
Washoe County	9,297	12,592	3,295	35%	\$76,835	0.83
Storey County	265	10,839	10,574	3990%	\$87,083	9.26
Nye County	1,905	2,415	510	27%	\$90,890	2.81
Douglas County	1,939	2,124	185	10%	\$80,610	1.50
Lyon County	1,705	1,710	5	0%	\$56,363	1.92
Elko County	1,894	1,478	(416)	(22%)	\$69,403	0.97
Carson City County	964	1,408	444	46%	\$64,465	0.68
Churchill County	969	1,126	157	16%	\$64,734	1.82
Humboldt County	1,215	840	(375)	(31%)	\$73,746	1.60
County not reported	183	305	122	67%	\$127,037	0.69
White Pine County	266	275	9	3%	\$53,423	0.96
Eureka County	116	233	117	101%	\$84,941	0.80
Lincoln County	104	169	65	63%	\$45,296	1.82
Pershing County	212	162	(50)	(24%)	\$49,696	1.22
Lander County	133	159	26	20%	\$70,645	0.68
Esmeralda County	27	58	31	115%	\$57,476	2.66
Mineral County	38	37	(1)	(3%)	\$104,484	0.34
	49,684	73,152	23,468	47%	\$81,034	

Top Occupations Employed in these Industries

Description	Employed in Industry Group (2019)	% of Total Jobs in Industry Group (2019)
Plumbers, Pipefitters, and Steamfitters	4,448	6.1%
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	3,376	4.6%
Construction Laborers	2,916	4.0%
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,130	2.9%
Office Clerks, General	2,026	2.8%

Industry Requirements (Top Supply Chain)

Purchases from	In-region Purchases	Imported Purchases	Total Purchases
Animal Production	\$63,339,169	\$205,707,231	\$269,046,401
Corporate, Subsidiary, and Regional Managing Offices	\$85,736,703	\$152,068,189	\$237,804,891
Petroleum Refineries	\$20,445,167	\$208,836,128	\$229,281,295
Crop Production	\$73,281,709	\$144,810,879	\$218,092,588
Nonferrous Metal (except Aluminum) Smelting and Refining	\$27,918,968	\$153,449,948	\$181,368,916

Industry Gender Breakdown



	Gender	2019 Jobs	2019 Percent
•	Males	54,291	74.2%
•	Females	18,861	25.8%

Industry Age Breakdown



	Age	2019 Jobs	2019 Percent
•	14-18	511	0.7%
•	19-24	6,261	8.6%
•	25-34	17,347	23.7%
•	35-44	16,822	23.0%
•	45-54	15,450	21.1%
•	55-64	12,444	17.0%
•	65+	4,317	5.9%

Industry Race/Ethnicity Breakdown



	Age	2019 Jobs	2019 Percent	
•	White	45,097	61.6%	<div style="width: 61.6%;"></div>
•	Hispanic or Latino	17,390	23.8%	<div style="width: 23.8%;"></div>
•	Asian	4,320	5.9%	<div style="width: 5.9%;"></div>
•	Black or African American	3,912	5.3%	<div style="width: 5.3%;"></div>
•	Two or More Races	1,499	2.0%	<div style="width: 2.0%;"></div>
•	American Indian or Alaska Native	582	0.8%	<div style="width: 0.8%;"></div>
•	Native Hawaiian or Other Pacific Islander	352	0.5%	<div style="width: 0.5%;"></div>

Industry Breakdown of Nevada's Natural Resource Technologies Sector

NAICS	Description	2010 Jobs	2019 Jobs	2010 - 2019 Change	Avg. Earnings Per Job	2019 Location Quotient
238220	Plumbing, Heating, and Air-Conditioning Contractors	8,099	13,127	5,028	\$73,397	1.13
335911	Storage Battery Manufacturing	0	10,027	10,027	\$85,726	39.11
541330	Engineering Services	6,852	7,728	876	\$103,415	0.81
238910	Site Preparation Contractors	3,717	4,966	1,249	\$65,327	1.00
111000	Crop Production	1,396	4,217	2,821	\$47,370	0.57
541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)	2,986	2,821	(165)	\$125,609	0.71
541380	Testing Laboratories	1,677	2,425	748	\$76,469	1.49
237110	Water and Sewer Line and Related Structures Construction	1,952	2,391	439	\$74,824	1.31
221122	Electric Power Distribution	2,021	1,758	(263)	\$155,235	0.89
112000	Animal Production	1,791	1,717	(74)	\$40,712	0.43
237130	Power and Communication Line and Related Structures Construction	1,487	1,617	130	\$90,613	0.84
221210	Natural Gas Distribution	1,293	1,230	(63)	\$150,427	1.21
444220	Nursery, Garden Center, and Farm Supply Stores	746	951	205	\$37,085	0.77
541620	Environmental Consulting Services	768	870	102	\$86,086	0.89
423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	554	857	303	\$77,115	0.85
237120	Oil and Gas Pipeline and Related Structures Construction	982	767	(215)	\$70,557	0.47
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	869	715	(154)	\$112,213	1.22
813312	Environment, Conservation and Wildlife Organizations	358	645	287	\$43,834	0.96
237990	Other Heavy and Civil Engineering Construction	1,228	631	(597)	\$100,917	0.52
562212	Solid Waste Landfill	440	561	121	\$87,069	1.51
812332	Industrial Launderers	891	558	(333)	\$58,667	0.91
221112	Fossil Fuel Electric Power Generation	615	555	(60)	\$188,652	0.70
311412	Frozen Specialty Food Manufacturing	276	542	266	\$44,580	0.97

115115	Farm Labor Contractors and Crew Leaders	412	502	90	\$26,368	0.16
541370	Surveying and Mapping (except Geophysical) Services	266	486	220	\$87,954	0.95
311991	Perishable Prepared Food Manufacturing	220	478	258	\$28,927	0.93
423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	406	463	57	\$72,730	0.71
311520	Ice Cream and Frozen Dessert Manufacturing	473	388	(85)	\$62,598	1.91
312112	Bottled Water Manufacturing	53	380	327	\$88,517	2.48
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	258	352	94	\$114,038	1.23
311942	Spice and Extract Manufacturing	239	347	108	\$67,347	1.51
115210	Support Activities for Animal Production	204	336	132	\$20,907	0.82
311511	Fluid Milk Manufacturing	387	308	(79)	\$82,039	0.61
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	73	301	228	\$67,801	1.77
311352	Confectionery Manufacturing from Purchased Chocolate	191	288	97	\$36,844	0.93
311612	Meat Processed from Carcasses	69	283	214	\$48,603	0.23
562991	Septic Tank and Related Services	199	271	72	\$57,582	0.93
311920	Coffee and Tea Manufacturing	209	255	46	\$65,030	1.09
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	187	224	37	\$53,295	0.79
221116	Geothermal Electric Power Generation	163	218	55	\$158,180	21.04
332911	Industrial Valve Manufacturing	259	216	(43)	\$74,602	0.87
311421	Fruit and Vegetable Canning	134	203	69	\$70,636	0.38
334419	Other Electronic Component Manufacturing	128	199	71	\$64,918	0.34
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	113	175	62	\$86,065	0.48
312111	Soft Drink Manufacturing	99	160	61	\$60,011	0.22
326122	Plastics Pipe and Pipe Fitting Manufacturing	298	156	(142)	\$57,457	0.59
311230	Breakfast Cereal Manufacturing	138	153	15	\$103,763	1.31

221310	Water Supply and Irrigation Systems	98	153	55	\$57,052	0.35
562211	Hazardous Waste Treatment and Disposal	142	149	7	\$68,677	0.43
334417	Electronic Connector Manufacturing	19	147	128	\$46,271	0.72
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	153	142	(11)	\$105,348	0.17
325180	Other Basic Inorganic Chemical Manufacturing	226	139	(87)	\$115,684	0.38
312230	Tobacco Manufacturing	<10	129	Insf. Data	\$23,015	1.21
311119	Other Animal Food Manufacturing	49	127	78	\$58,711	0.38
311919	Other Snack Food Manufacturing	21	117	96	\$45,761	0.30
332420	Metal Tank (Heavy Gauge) Manufacturing	88	111	23	\$69,069	0.31
115112	Soil Preparation, Planting, and Cultivating	52	109	57	\$37,241	0.31
311830	Tortilla Manufacturing	62	107	45	\$40,600	0.59
334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	161	104	(57)	\$49,054	0.64
312120	Breweries	17	101	84	\$52,346	0.13
333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing	136	97	(39)	\$78,291	0.36
326191	Plastics Plumbing Fixture Manufacturing	52	97	45	\$53,544	0.74
541360	Geophysical Surveying and Mapping Services	126	95	(31)	\$66,200	0.61
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	85	92	7	\$66,979	0.26
335931	Current-Carrying Wiring Device Manufacturing	<10	91	Insf. Data	\$77,683	0.29
333912	Air and Gas Compressor Manufacturing	53	89	36	\$126,831	0.47
221114	Solar Electric Power Generation	59	87	28	\$115,191	2.63

335311	Power, Distribution, and Specialty Transformer Manufacturing	<10	81	Insf. Data	\$157,659	0.33
311111	Dog and Cat Food Manufacturing	111	74	(37)	\$101,088	0.28
115114	Postharvest Crop Activities (except Cotton Ginning)	80	74	(6)	\$38,756	0.09
311999	All Other Miscellaneous Food Manufacturing	58	73	15	\$93,795	0.23
311423	Dried and Dehydrated Food Manufacturing	116	73	(43)	\$52,495	0.61
334519	Other Measuring and Controlling Device Manufacturing	71	70	(1)	\$79,708	0.21
332912	Fluid Power Valve and Hose Fitting Manufacturing	63	70	7	\$68,103	0.20
312113	Ice Manufacturing	60	70	10	\$53,593	1.03
562998	All Other Miscellaneous Waste Management Services	39	69	30	\$55,008	0.36
221121	Electric Bulk Power Transmission and Control	0	64	64	\$158,353	0.26
115310	Support Activities for Forestry	41	61	20	\$17,960	0.30
333241	Food Product Machinery Manufacturing	<10	60	Insf. Data	\$56,598	0.33
114111	Finfish Fishing	67	57	(10)	\$136,150	0.47
312140	Distilleries	<10	56	Insf. Data	\$85,603	0.35
115116	Farm Management Services	37	54	17	\$21,548	0.27
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	39	54	15	\$58,102	0.26
311340	Nonchocolate Confectionery Manufacturing	83	54	(29)	\$55,893	0.27
311710	Seafood Product Preparation and Packaging	83	54	(29)	\$51,780	0.17
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	14	49	35	\$37,063	0.17
562219	Other Nonhazardous Waste Treatment and Disposal	22	49	27	\$58,456	0.29
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	127	48	(79)	\$79,421	0.34
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	30	47	17	\$39,809	0.23

325314	Fertilizer (Mixing Only) Manufacturing	22	43	21	\$74,242	0.51
311513	Cheese Manufacturing	0	43	43	\$92,680	0.09
221320	Sewage Treatment Facilities	<10	42	Insf. Data	\$95,933	0.70
333994	Industrial Process Furnace and Oven Manufacturing	<10	37	Insf. Data	\$61,724	0.39
221330	Steam and Air-Conditioning Supply	73	35	(38)	\$118,004	2.44
311351	Chocolate and Confectionery Manufacturing from Cacao Beans	0	34	34	\$64,472	0.39
335929	Other Communication and Energy Wire Manufacturing	54	33	(21)	\$84,819	0.29
115113	Crop Harvesting, Primarily by Machine	<10	33	Insf. Data	\$25,308	0.26
486210	Pipeline Transportation of Natural Gas	30	33	3	\$125,103	0.12
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	0	32	32	\$120,549	0.19
333996	Fluid Power Pump and Motor Manufacturing	62	32	(30)	\$71,136	0.18
316998	All Other Leather Good and Allied Product Manufacturing	43	32	(11)	\$28,625	0.31
311611	Animal (except Poultry) Slaughtering	0	25	25	\$54,518	0.02
114210	Hunting and Trapping	46	24	(22)	\$17,893	0.60
311615	Poultry Processing	0	21	21	\$55,295	0.01
333995	Fluid Power Cylinder and Actuator Manufacturing	<10	21	Insf. Data	\$49,867	0.13
113310	Logging	<10	19	Insf. Data	\$14,290	0.03
311422	Specialty Canning	0	18	18	\$90,383	0.18
311930	Flavoring Syrup and Concentrate Manufacturing	20	18	(2)	\$90,059	0.20
312130	Wineries	16	16	0	\$18,816	0.02
332913	Plumbing Fixture Fitting and Trim Manufacturing	<10	15	Insf. Data	\$54,059	0.14
335912	Primary Battery Manufacturing	<10	12	Insf. Data	\$74,091	0.10
311613	Rendering and Meat Byproduct Processing	53	11	(42)	\$68,295	0.16
334514	Totalizing Fluid Meter and Counting Device Manufacturing	103	<10	Insf. Data	Insf. Data	0.05
221115	Wind Electric Power Generation	0	<10	Insf. Data	Insf. Data	0.07

332919	Other Metal Valve and Pipe Fitting Manufacturing	34	<10	Insf. Data	Insf. Data	0.03
333611	Turbine and Turbine Generator Set Units Manufacturing	38	<10	Insf. Data	Insf. Data	0.00
311211	Flour Milling	0	<10	Insf. Data	Insf. Data	0.01
311225	Fats and Oils Refining and Blending	0	<10	Insf. Data	Insf. Data	0.02
333111	Farm Machinery and Equipment Manufacturing	<10	<10	Insf. Data	Insf. Data	0.01
332996	Fabricated Pipe and Pipe Fitting Manufacturing	38	<10	Insf. Data	Insf. Data	0.01
325320	Pesticide and Other Agricultural Chemical Manufacturing	0	<10	Insf. Data	Insf. Data	0.05
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	19	<10	Insf. Data	Insf. Data	0.01
325199	All Other Basic Organic Chemical Manufacturing	22	<10	Insf. Data	Insf. Data	0.02
311224	Soybean and Other Oilseed Processing	<10	<10	Insf. Data	Insf. Data	0.02
325120	Industrial Gas Manufacturing	21	<10	Insf. Data	Insf. Data	0.05
311911	Roasted Nuts and Peanut Butter Manufacturing	0	<10	Insf. Data	Insf. Data	0.02
113210	Forest Nurseries and Gathering of Forest Products	0	0	0	\$0	0.00
113110	Timber Tract Operations	0	0	0	\$0	0.00
562213	Solid Waste Combustors and Incinerators	0	0	0	\$0	0.00
221117	Biomass Electric Power Generation	0	0	0	\$0	0.00
311313	Beet Sugar Manufacturing	0	0	0	\$0	0.00
311314	Cane Sugar Manufacturing	0	0	0	\$0	0.00
311512	Creamery Butter Manufacturing	0	0	0	\$0	0.00
221113	Nuclear Electric Power Generation	0	0	0	\$0	0.00
221118	Other Electric Power Generation	0	0	0	\$0	0.00
311212	Rice Milling	0	0	0	\$0	0.00
311221	Wet Corn Milling	0	0	0	\$0	0.00
311213	Malt Manufacturing	0	0	0	\$0	0.00
114112	Shellfish Fishing	0	0	0	\$0	0.00
114119	Other Marine Fishing	0	0	0	\$0	0.00
211130	Natural Gas Extraction	<10	0	Insf. Data	\$0	0.00

335991	Carbon and Graphite Product Manufacturing	0	0	0	\$0	0.00
325193	Ethyl Alcohol Manufacturing	0	0	0	\$0	0.00
325311	Nitrogenous Fertilizer Manufacturing	13	0	(13)	\$0	0.00
325312	Phosphatic Fertilizer Manufacturing	<10	0	Insf. Data	\$0	0.00
332410	Power Boiler and Heat Exchanger Manufacturing	<10	0	Insf. Data	\$0	0.00
115111	Cotton Ginning	0	0	0	\$0	0.00
221111	Hydroelectric Power Generation	0	0	0	\$0	0.00
		49,684	73,152	23,468	\$81,034	

Data Sources and Calculations

Industry Data

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

Input-Output Data

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

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