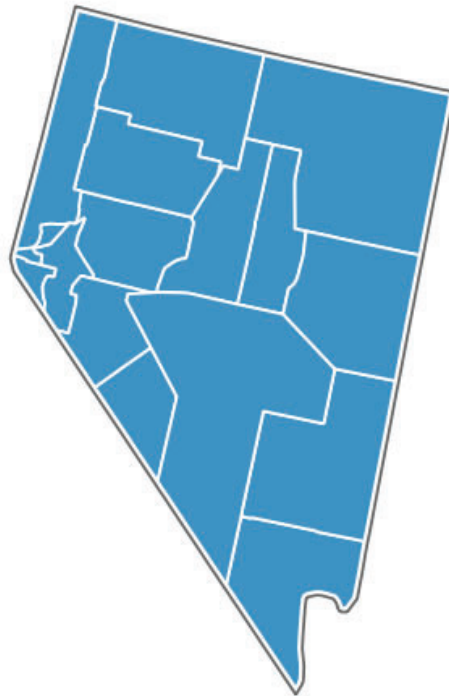


Nevada's Natural Resource Technologies Sector



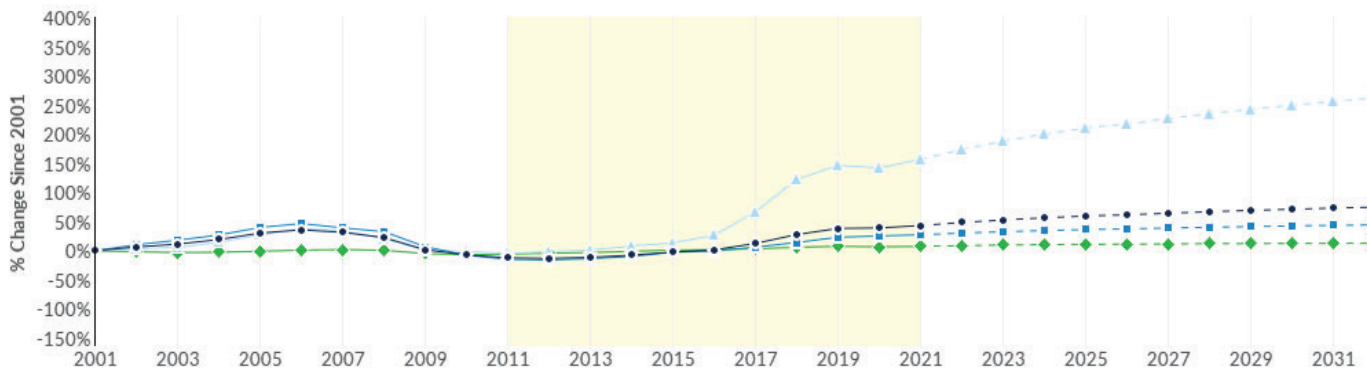
Industry Summary for Natural Resource Technologies

77,247 Jobs (2021) 18% below National average	63.0% % Change (2011-2021) Nation: 14.0%	\$92,590 Avg. Earnings Per Job (2021) Nation: \$86,381
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Industry Detail

Payrolled Business Locations (2021)	3,713
Jobs Multiplier	3
Unemployed	Only Available for 2-Digit

Regional Trends



	Region	2011 Jobs	2021 Jobs	Change	% Change
●	Nevada	47,400	77,247	29,846	63.0%
●	Las Vegas-Henderson-Paradise, NV	26,445	39,546	13,101	49.5%
●	Reno, NV	9,159	24,647	15,489	169.1%
●	United States	9,195,992	10,479,571	1,283,579	14.0%

Regional Breakdown of Nevada's Natural Resource Technologies Sector

County Name	2011 Jobs	2021 Jobs	2011 - 2021 Change	2011 - 2021 % Change	Avg. Earnings Per Job	2021 Location Quotient
Clark County	26,445	39,546	13,101	50%	\$89,129	0.59
Washoe County	8,880	13,531	4,651	52%	\$82,279	0.86
Storey County	279	11,117	10,838	3888%	\$130,745	9.01
Nye County	2,022	2,430	408	20%	\$100,059	2.64
Douglas County	1,897	2,211	314	17%	\$87,620	1.56
Lyon County	1,676	1,711	34	2%	\$63,490	1.78
Carson City County	936	1,463	527	56%	\$75,337	0.69
Elko County	2,011	1,458	(553)	(28%)	\$75,291	0.96
Churchill County	877	1,220	343	39%	\$67,850	1.74
Humboldt County	1,295	830	(465)	(36%)	\$76,642	1.51
County not reported	166	453	287	173%	\$134,296	0.36
Lander County	145	296	151	104%	\$77,467	1.20
White Pine County	271	284	13	5%	\$65,478	0.95
Lincoln County	118	236	118	100%	\$53,836	2.29
Eureka County	106	207	101	95%	\$89,348	0.71
Pershing County	201	162	(40)	(20%)	\$59,566	1.10
Esmeralda County	33	56	23	68%	\$48,920	2.06
Mineral County	41	36	(5)	(11%)	\$82,293	0.31
	47,400	77,247	29,846	63%	\$92,590	

Top Occupations Employed in these Industries

Description	Employed in Industry Group (2021)	% of Total Jobs in Industry Group (2021)
Plumbers, Pipefitters, and Steamfitters	4,026	5.2%
Construction Laborers	2,901	3.8%
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2,485	3.2%
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	2,234	2.9%
Farmers, Ranchers, and Other Agricultural Managers	2,114	2.7%

Industry Requirements (Top Supply Chain)

Purchases from	In-region Purchases	Imported Purchases	Total Purchases
Nonferrous Metal (except Aluminum) Smelting and Refining	\$47,148,349	\$258,350,969	\$305,499,318
Animal Production	\$34,821,869	\$263,556,842	\$298,378,711
Corporate, Subsidiary, and Regional Managing Offices	\$212,798,538	\$83,967,479	\$296,766,017
Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	\$25,870,473	\$172,898,478	\$198,768,952
Crop Production	\$69,801,297	\$122,936,911	\$192,738,208

Industry Gender Breakdown



	Gender	2021 Jobs	2021 Percent
•	Males	57,041	73.8%
•	Females	20,206	26.2%

Industry Age Breakdown



	Age	2021 Jobs	2021 Percent
•	14-18	547	0.7%
•	19-24	6,806	8.8%
•	25-34	18,362	23.8%
•	35-44	17,663	22.9%
•	45-54	15,849	20.5%
•	55-64	13,314	17.2%
•	65+	4,706	6.1%

Industry Race/Ethnicity Breakdown



	Race/Ethnicity	2021 Jobs	2021 Percent	
•	White	46,690	60.4%	<div style="width: 60.4%;"></div>
•	Hispanic or Latino	18,859	24.4%	<div style="width: 24.4%;"></div>
•	Asian	4,527	5.9%	<div style="width: 5.9%;"></div>
•	Black or African American	4,214	5.5%	<div style="width: 5.5%;"></div>
•	Two or More Races	1,840	2.4%	<div style="width: 2.4%;"></div>
•	American Indian or Alaska Native	680	0.9%	<div style="width: 0.9%;"></div>
•	Native Hawaiian or Other Pacific Islander	436	0.6%	<div style="width: 0.6%;"></div>

Industry Breakdown of Nevada's Natural Resource Technologies Sector

NAICS	Description	2011 Jobs	2021 Jobs	2011 - 2021 Change	Avg. Earnings Per Job	2021 Location Quotient
238220	Plumbing, Heating, and Air-Conditioning Contractors	7,077	13,610	6,533	\$78,250	1.18
335911	Storage Battery Manufacturing	0	10,718	10,718	\$131,311	37.38
541330	Engineering Services	6,531	8,295	1,764	\$106,553	0.87
238910	Site Preparation Contractors	3,551	4,990	1,439	\$72,166	1.01
111000	Crop Production	1,347	3,800	2,453	\$53,160	0.49
541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)	3,078	3,165	87	\$138,641	0.73
237110	Water and Sewer Line and Related Structures Construction	1,692	2,860	1,168	\$76,592	1.59
541380	Testing Laboratories	1,786	2,603	817	\$79,670	1.65
237130	Power and Communication Line and Related Structures Construction	1,476	2,395	919	\$88,738	1.18
112000	Animal Production	1,593	1,902	309	\$41,756	0.41
221122	Electric Power Distribution	1,927	1,752	(175)	\$175,856	0.90
221210	Natural Gas Distribution	1,182	1,224	42	\$163,519	1.22
444220	Nursery, Garden Center, and Farm Supply Stores	759	1,134	375	\$41,322	0.84
423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	535	1,120	585	\$83,952	1.15
541620	Environmental Consulting Services	718	877	160	\$92,989	0.90
237120	Oil and Gas Pipeline and Related Structures Construction	1,225	802	(424)	\$74,844	0.68
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	807	700	(108)	\$108,068	1.29
813312	Environment, Conservation and Wildlife Organizations	384	622	238	\$47,513	0.98
237990	Other Heavy and Civil Engineering Construction	638	602	(36)	\$103,160	0.51
541370	Surveying and Mapping (except Geophysical) Services	265	589	325	\$103,493	1.15
423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	357	560	203	\$105,374	0.84
562212	Solid Waste Landfill	417	537	120	\$90,056	1.51

812332	Industrial Launderers	1,262	511	(752)	\$69,561	0.92
312112	Bottled Water Manufacturing	73	509	437	\$89,181	3.28
221112	Fossil Fuel Electric Power Generation	655	494	(161)	\$207,179	0.69
115115	Farm Labor Contractors and Crew Leaders	432	487	55	\$30,699	0.17
311412	Frozen Specialty Food Manufacturing	265	458	193	\$56,036	0.81
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	96	415	319	\$69,948	2.35
311991	Perishable Prepared Food Manufacturing	307	390	84	\$39,656	0.74
311612	Meat Processed from Carcasses	47	333	286	\$46,576	0.26
311942	Spice and Extract Manufacturing	248	311	64	\$80,263	1.34
115210	Support Activities for Animal Production	140	311	171	\$22,868	0.76
311520	Ice Cream and Frozen Dessert Manufacturing	638	294	(344)	\$67,466	1.44
311511	Fluid Milk Manufacturing	198	290	92	\$80,090	0.60
311920	Coffee and Tea Manufacturing	222	276	54	\$61,230	1.25
562991	Septic Tank and Related Services	184	264	79	\$66,529	0.88
311919	Other Snack Food Manufacturing	40	257	218	\$49,319	0.64
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	289	256	(32)	\$143,499	0.97
311352	Confectionery Manufacturing from Purchased Chocolate	186	253	67	\$48,993	0.93
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	163	244	82	\$55,577	0.91
221116	Geothermal Electric Power Generation	156	228	72	\$152,086	22.20
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	100	222	123	\$87,245	0.60
311421	Fruit and Vegetable Canning	141	222	82	\$79,592	0.43
312111	Soft Drink Manufacturing	95	210	115	\$74,859	0.29
332911	Industrial Valve Manufacturing	265	209	(56)	\$75,072	0.92
326122	Plastics Pipe and Pipe Fitting Manufacturing	255	200	(55)	\$69,677	0.78
334417	Electronic Connector Manufacturing	48	183	135	\$107,427	0.93
221310	Water Supply and Irrigation Systems	97	180	84	\$77,568	0.41

334419	Other Electronic Component Manufacturing	170	179	9	\$58,786	0.33
562211	Hazardous Waste Treatment and Disposal	142	161	19	\$82,674	0.47
312230	Tobacco Manufacturing	<10	161	Insf. Data	\$23,617	1.60
333912	Air and Gas Compressor Manufacturing	61	150	89	\$104,647	0.92
335311	Power, Distribution, and Specialty Transformer Manufacturing	<10	142	Insf. Data	\$120,984	0.61
325180	Other Basic Inorganic Chemical Manufacturing	235	141	(94)	\$120,476	0.40
311230	Breakfast Cereal Manufacturing	110	137	27	\$97,661	1.23
312120	Breweries	21	133	112	\$53,652	0.17
311111	Dog and Cat Food Manufacturing	43	120	78	\$75,503	0.42
541360	Geophysical Surveying and Mapping Services	126	114	(12)	\$73,914	0.89
335912	Primary Battery Manufacturing	<10	112	Insf. Data	\$122,914	1.41
311830	Tortilla Manufacturing	54	108	53	\$36,665	0.60
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	0	96	96	\$73,445	0.57
311119	Other Animal Food Manufacturing	101	96	(5)	\$71,129	0.30
115112	Soil Preparation, Planting, and Cultivating	42	95	54	\$39,667	0.29
312140	Distilleries	<10	95	Insf. Data	\$76,800	0.52
115114	Postharvest Crop Activities (except Cotton Ginning)	94	95	1	\$36,059	0.12
221114	Solar Electric Power Generation	35	93	58	\$142,532	1.98
311340	Nonchocolate Confectionery Manufacturing	98	90	(8)	\$50,190	0.45
334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	69	87	19	\$56,113	0.59
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	82	87	4	\$65,774	0.25
311513	Cheese Manufacturing	0	86	86	\$86,192	0.17
326191	Plastics Plumbing Fixture Manufacturing	68	78	10	\$71,775	0.57
332420	Metal Tank (Heavy Gauge) Manufacturing	78	71	(6)	\$65,349	0.23

562998	All Other Miscellaneous Waste Management Services	39	63	24	\$67,953	0.32
325199	All Other Basic Organic Chemical Manufacturing	23	61	38	\$109,106	0.17
333241	Food Product Machinery Manufacturing	10	60	50	\$71,460	0.35
312113	Ice Manufacturing	66	60	(6)	\$52,215	0.93
311710	Seafood Product Preparation and Packaging	115	57	(58)	\$44,703	0.19
115116	Farm Management Services	35	57	22	\$34,329	0.29
311999	All Other Miscellaneous Food Manufacturing	55	56	1	\$59,850	0.17
334519	Other Measuring and Controlling Device Manufacturing	62	55	(7)	\$66,781	0.18
311423	Dried and Dehydrated Food Manufacturing	98	54	(44)	\$52,745	0.47
332912	Fluid Power Valve and Hose Fitting Manufacturing	64	53	(11)	\$73,451	0.18
316998	All Other Leather Good and Allied Product Manufacturing	37	53	17	\$36,810	0.50
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	42	53	11	\$76,744	0.30
562219	Other Nonhazardous Waste Treatment and Disposal	13	53	40	\$70,196	0.31
325314	Fertilizer (Mixing Only) Manufacturing	23	51	27	\$75,687	0.60
113310	Logging	15	50	36	\$95,578	0.08
335931	Current-Carrying Wiring Device Manufacturing	<10	50	Insf. Data	\$112,526	0.19
311351	Chocolate and Confectionery Manufacturing from Cacao Beans	0	45	45	\$79,163	0.53
335929	Other Communication and Energy Wire Manufacturing	50	44	(6)	\$112,197	0.43
221320	Sewage Treatment Facilities	66	43	(23)	\$104,717	0.73
333994	Industrial Process Furnace and Oven Manufacturing	<10	40	Insf. Data	\$65,128	0.48
311930	Flavoring Syrup and Concentrate Manufacturing	<10	39	Insf. Data	\$102,527	0.54
333111	Farm Machinery and Equipment Manufacturing	<10	39	Insf. Data	\$55,068	0.07

311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	<10	38	Insf. Data	\$35,551	0.21
333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing	131	38	(93)	\$97,121	0.16
333996	Fluid Power Pump and Motor Manufacturing	15	37	22	\$91,413	0.23
115310	Support Activities for Forestry	28	36	8	\$25,298	0.19
114111	Finfish Fishing	99	33	(66)	\$141,588	0.25
486210	Pipeline Transportation of Natural Gas	38	30	(8)	\$136,091	0.11
311613	Rendering and Meat Byproduct Processing	75	30	(45)	\$73,815	0.42
221121	Electric Bulk Power Transmission and Control	0	28	28	\$186,751	0.12
311615	Poultry Processing	0	26	26	\$53,365	0.01
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	<10	25	Insf. Data	\$79,821	0.20
312130	Wineries	<10	23	Insf. Data	\$27,572	0.04
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	163	21	(142)	\$77,221	0.03
333995	Fluid Power Cylinder and Actuator Manufacturing	<10	21	Insf. Data	\$61,246	0.15
114210	Hunting and Trapping	65	20	(45)	\$17,288	0.35
115113	Crop Harvesting, Primarily by Machine	<10	20	Insf. Data	\$30,832	0.16
221115	Wind Electric Power Generation	0	17	17	\$153,880	0.26
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	42	17	(26)	\$68,153	0.06
332919	Other Metal Valve and Pipe Fitting Manufacturing	40	13	(27)	\$61,447	0.10
332913	Plumbing Fixture Fitting and Trim Manufacturing	<10	10	Insf. Data	\$70,978	0.10
311225	Fats and Oils Refining and Blending	0	<10	Insf. Data	Insf. Data	0.05

333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	<10	<10	Insf. Data	Insf. Data	0.06
332996	Fabricated Pipe and Pipe Fitting Manufacturing	37	<10	Insf. Data	Insf. Data	0.02
334514	Totalizing Fluid Meter and Counting Device Manufacturing	38	<10	Insf. Data	Insf. Data	0.01
221330	Steam and Air-Conditioning Supply	67	<10	Insf. Data	Insf. Data	0.37
325320	Pesticide and Other Agricultural Chemical Manufacturing	0	<10	Insf. Data	Insf. Data	0.01
311911	Roasted Nuts and Peanut Butter Manufacturing	0	<10	Insf. Data	Insf. Data	0.03
325120	Industrial Gas Manufacturing	16	<10	Insf. Data	Insf. Data	0.02
113110	Timber Tract Operations	0	0	0	\$0	0.00
221118	Other Electric Power Generation	0	0	0	\$0	0.00
311611	Animal (except Poultry) Slaughtering	<10	0	Insf. Data	\$0	0.00
113210	Forest Nurseries and Gathering of Forest Products	0	0	0	\$0	0.00
333611	Turbine and Turbine Generator Set Units Manufacturing	47	0	(47)	\$0	0.00
221117	Biomass Electric Power Generation	0	0	0	\$0	0.00
311512	Creamery Butter Manufacturing	0	0	0	\$0	0.00
311313	Beet Sugar Manufacturing	0	0	0	\$0	0.00
311422	Specialty Canning	0	0	0	\$0	0.00
311314	Cane Sugar Manufacturing	0	0	0	\$0	0.00
221113	Nuclear Electric Power Generation	0	0	0	\$0	0.00
562213	Solid Waste Combustors and Incinerators	0	0	0	\$0	0.00
114119	Other Marine Fishing	0	0	0	\$0	0.00
311224	Soybean and Other Oilseed Processing	<10	0	Insf. Data	\$0	0.00
114112	Shellfish Fishing	0	0	0	\$0	0.00
311221	Wet Corn Milling	0	0	0	\$0	0.00
211130	Natural Gas Extraction	0	0	0	\$0	0.00
311213	Malt Manufacturing	0	0	0	\$0	0.00
335991	Carbon and Graphite Product Manufacturing	0	0	0	\$0	0.00
311212	Rice Milling	0	0	0	\$0	0.00
311211	Flour Milling	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	31	0	(31)	\$0	0.00
115111	Cotton Ginning	0	0	0	\$0	0.00
221111	Hydroelectric Power Generation	0	0	0	\$0	0.00
		47,400	77,247	29,846	\$92,590	

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