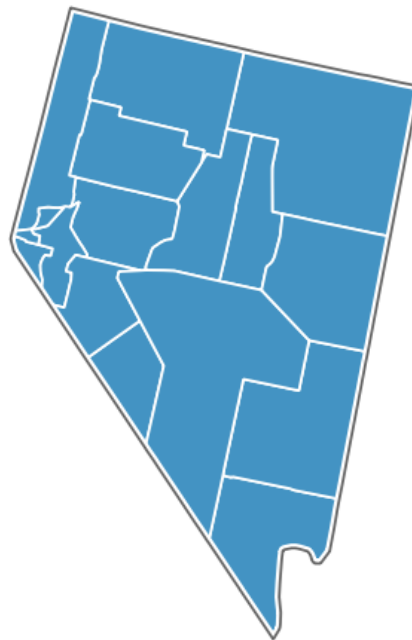


## Nevada's Natural Resource Technologies Sector



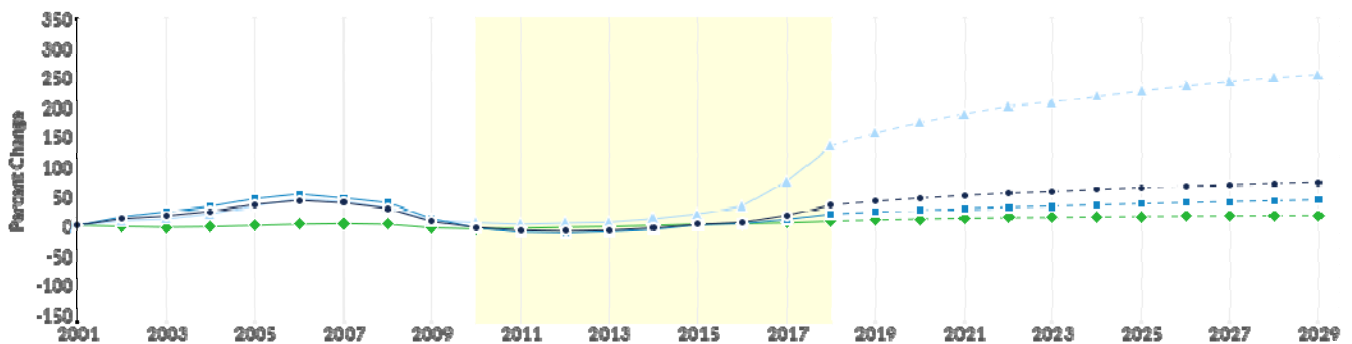
# Industry Summary for Natural Resource Technologies

<b>68,490</b> <b>Jobs (2018)</b> 26% below National average	<b>37.9%</b> <b>% Change (2010-2018)</b> Nation: 13.5%	<b>\$79,451</b> <b>Avg. Earnings Per Job (2018)</b> Nation: \$79,704
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## Industry Detail

Payrolled Business Locations (2018)	3,784
Jobs Multiplier	3
Unemployed	Only Available for 2-Digit

## Regional Trends



	Region	2010 Jobs	2018 Jobs	Change	% Change
●	Region	49,664	68,490	18,826	37.9%
●	Las Vegas-Henderson-Paradise, NV	28,438	35,211	6,773	23.8%
●	Reno, NV	9,559	21,276	11,717	122.6%
●	United States	8,979,015	10,188,948	1,209,933	13.5%

## Regional Breakdown of Nevada's Natural Resource Technologies Sector

County Name	2010 Jobs	2018 Jobs	2010 - 2018 Change	2010 - 2018 % Change	Avg. Earnings Per Job	2018 Location Quotient
Clark County	28,438	35,211	6,773	24%	\$81,551	0.52
Washoe County	9,295	12,136	2,841	31%	\$74,973	0.81
Storey County	265	9,140	8,875	3349%	\$86,203	8.42
Nye County	1,905	2,269	364	19%	\$90,148	2.73
Douglas County	1,939	2,069	130	7%	\$78,322	1.49
Lyon County	1,704	1,635	(69)	(4%)	\$56,557	1.90
Elko County	1,893	1,505	(388)	(20%)	\$68,152	1.01
Carson City County	963	1,279	316	33%	\$64,761	0.63
Churchill County	969	1,143	174	18%	\$65,835	1.85
Humboldt County	1,215	808	(407)	(33%)	\$69,594	1.58
County not reported	183	277	94	51%	\$124,628	0.62
White Pine County	266	260	(6)	(2%)	\$54,005	0.92
Eureka County	117	217	100	85%	\$86,131	0.75
Pershing County	211	163	(48)	(23%)	\$49,597	1.23
Lincoln County	104	145	41	39%	\$38,702	1.59
Lander County	132	140	8	6%	\$69,011	0.62
Esmeralda County	27	56	29	107%	\$46,256	2.58
Mineral County	38	37	(1)	(3%)	\$86,645	0.35
	49,664	68,490	18,826	38%	\$79,451	

## Top Occupations Employed by these Industries

Description	Employed in Industry Group (2018)	% of Total Jobs in Industry Group (2018)
Plumbers, Pipefitters, and Steamfitters	4,205	6.1%
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	2,887	4.2%
Construction Laborers	2,684	3.9%
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,017	2.9%
Office Clerks, General	1,905	2.8%

## Industry Requirements (Top Supply Chain)

Purchases from	In-region Purchases	Imported Purchases	Total Purchases
Animal Production	\$70,495,182	\$184,571,992	\$255,067,174
Crop Production	\$101,766,343	\$117,117,856	\$218,884,198
Petroleum Refineries	\$16,330,463	\$190,241,212	\$206,571,675
Corporate, Subsidiary, and Regional Managing Offices	\$67,908,305	\$121,128,723	\$189,037,027
Temporary Help Services	\$99,990,177	\$38,935,421	\$138,925,598

## Industry Gender Breakdown



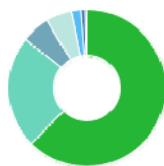
	Gender	2018 Jobs	2018 Percent
•	Males	50,944	74.4%
•	Females	17,546	25.6%

## Industry Age Breakdown



	Age	2018 Jobs	2018 Percent
•	14-18	459	0.7%
•	19-24	5,550	8.1%
•	25-34	16,211	23.7%
•	35-44	15,722	23.0%
•	45-54	14,986	21.9%
•	55-64	11,575	16.9%
•	65+	3,986	5.8%

## Industry Race/Ethnicity Breakdown



	Race/Ethnicity	2018 Jobs	2018 Percent	
●	White	42,774	62.5%	<div style="width: 62.5%;"></div>
●	Hispanic or Latino	15,951	23.3%	<div style="width: 23.3%;"></div>
●	Asian	4,016	5.9%	<div style="width: 5.9%;"></div>
●	Black or African American	3,525	5.1%	<div style="width: 5.1%;"></div>
●	Two or More Races	1,358	2.0%	<div style="width: 2.0%;"></div>
●	American Indian or Alaska Native	567	0.8%	<div style="width: 0.8%;"></div>
●	Native Hawaiian or Other Pacific Islander	299	0.4%	<div style="width: 0.4%;"></div>

## Industry Breakdown of Nevada's Natural Resources Technology Sector

Description	2010 Jobs	2018 Jobs	2010 - 2018 Change	Avg. Earnings Per Job	2018 Location Quotient
Plumbing, Heating, and Air-Conditioning Contractors	8,099	12,541	4,442	\$72,467	1.11
Storage Battery Manufacturing	0	8,220	8,220	\$84,117	35.10
Engineering Services	6,852	7,592	740	\$100,676	0.82
Site Preparation Contractors	3,716	4,825	1,109	\$64,599	1.00
Crop Production	1,396	3,791	2,395	\$45,187	0.52
Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)	2,987	2,607	(380)	\$121,914	0.67
Testing Laboratories	1,678	2,336	658	\$74,501	1.47
Water and Sewer Line and Related Structures Construction	1,952	2,259	307	\$73,617	1.26
Electric Power Distribution	2,021	1,747	(274)	\$146,277	0.90
Animal Production	1,791	1,561	(230)	\$39,269	0.40
Power and Communication Line and Related Structures Construction	1,487	1,512	25	\$90,715	0.81
Natural Gas Distribution	1,293	1,223	(70)	\$149,111	1.22
Nursery, Garden Center, and Farm Supply Stores	739	895	156	\$35,616	0.74
Environmental Consulting Services	768	846	78	\$82,754	0.90
Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	553	792	239	\$74,590	0.81
Oil and Gas Pipeline and Related Structures Construction	982	757	(225)	\$68,167	0.49
Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	869	699	(170)	\$108,505	1.21
Environment, Conservation and Wildlife Organizations	358	643	285	\$42,545	0.99
Other Heavy and Civil Engineering Construction	1,228	597	(631)	\$100,472	0.50
Frozen Specialty Food Manufacturing	276	581	305	\$39,770	1.06
Fossil Fuel Electric Power Generation	615	578	(37)	\$176,023	0.72
Solid Waste Landfill	440	555	115	\$87,379	1.51
Industrial Launderers	891	545	(346)	\$60,270	0.90
Farm Labor Contractors and Crew Leaders	412	484	72	\$26,262	0.16
Perishable Prepared Food Manufacturing	220	480	260	\$35,116	0.96
Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	405	439	34	\$71,319	0.69
Surveying and Mapping (except Geophysical) Services	266	407	141	\$81,504	0.82
Ice Cream and Frozen Dessert Manufacturing	472	369	(103)	\$63,893	1.86
Bottled Water Manufacturing	53	355	302	\$76,972	2.37
Spice and Extract Manufacturing	239	346	107	\$64,090	1.52
All Other Miscellaneous Electrical	258	345	87	\$111,025	1.22

Equipment and Component Manufacturing					
Confectionery Manufacturing from Purchased Chocolate	190	316	126	\$35,425	1.05
Fluid Milk Manufacturing	387	308	(79)	\$80,611	0.62
Meat Processed from Carcasses	69	294	225	\$46,472	0.24
Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	73	287	214	\$67,275	1.75
Septic Tank and Related Services	199	265	66	\$54,902	0.94
Support Activities for Animal Production	204	262	58	\$21,555	0.67
Coffee and Tea Manufacturing	209	227	18	\$67,937	1.00
Industrial Valve Manufacturing	259	216	(43)	\$73,992	0.90
Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	187	215	28	\$53,973	0.77
Geothermal Electric Power Generation	163	213	50	\$147,071	20.55
Fruit and Vegetable Canning	134	210	76	\$68,200	0.39
Other Electronic Component Manufacturing	127	201	74	\$59,260	0.35
Roofing, Siding, and Insulation Material Merchant Wholesalers	113	168	55	\$84,832	0.47
Plastics Pipe and Pipe Fitting Manufacturing	298	161	(137)	\$55,576	0.62
Breakfast Cereal Manufacturing	138	157	19	\$61,686	1.34
Hazardous Waste Treatment and Disposal	142	153	11	\$64,385	0.46
Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	153	142	(11)	\$101,884	0.18
Other Basic Inorganic Chemical Manufacturing	226	141	(85)	\$115,380	0.39
Soft Drink Manufacturing	99	134	35	\$59,972	0.18
Water Supply and Irrigation Systems	98	133	35	\$61,665	0.31
Electronic Connector Manufacturing	19	128	109	\$42,092	0.65
Other Animal Food Manufacturing	48	123	75	\$62,902	0.38
Tortilla Manufacturing	62	104	42	\$36,767	0.58
Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	161	104	(57)	\$47,422	0.65
Measuring, Dispensing, and Other Pumping Equipment Manufacturing	136	102	(34)	\$81,448	0.38
Soil Preparation, Planting, and Cultivating	52	99	47	\$42,149	0.30
Breweries	16	92	76	\$46,874	0.13
Geophysical Surveying and Mapping Services	126	91	(35)	\$63,290	0.60
Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	85	91	6	\$64,180	0.26
Plastics Plumbing Fixture Manufacturing	52	89	37	\$54,136	0.69
Metal Tank (Heavy Gauge) Manufacturing	88	86	(2)	\$68,704	0.25
Other Snack Food Manufacturing	21	86	65	\$55,330	0.23
Air and Gas Compressor Manufacturing	53	86	33	\$133,416	0.46
Current-Carrying Wiring Device Manufacturing	<10	77	Insf. Data	\$81,722	0.25
Dog and Cat Food Manufacturing	111	75	(36)	\$91,742	0.29



Power, Distribution, and Specialty Transformer Manufacturing	<10	74	Insf. Data	\$100,967	0.31
All Other Miscellaneous Waste Management Services	39	74	35	\$51,682	0.41
Dried and Dehydrated Food Manufacturing	116	72	(44)	\$54,040	0.61
Ice Manufacturing	60	69	9	\$51,494	1.04
Fluid Power Valve and Hose Fitting Manufacturing	63	68	5	\$68,111	0.20
Other Measuring and Controlling Device Manufacturing	71	68	(3)	\$72,059	0.20
Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	127	65	(62)	\$102,822	0.44
Electric Bulk Power Transmission and Control	0	63	63	\$145,628	0.26
Finfish Fishing	67	61	(6)	\$137,189	0.51
Solar Electric Power Generation	59	61	2	\$119,984	1.93
Postharvest Crop Activities (except Cotton Ginning)	80	59	(21)	\$37,863	0.07
Food Product Machinery Manufacturing	<10	58	Insf. Data	\$57,563	0.32
Nonchocolate Confectionery Manufacturing	83	54	(29)	\$51,627	0.28
Other Nonhazardous Waste Treatment and Disposal	22	50	28	\$55,432	0.30
Farm Management Services	37	48	11	\$24,626	0.24
Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	39	48	9	\$56,991	0.23
Cheese Manufacturing	0	47	47	\$127,878	0.10
Seafood Product Preparation and Packaging	83	47	(36)	\$119,720	0.15
Fertilizer (Mixing Only) Manufacturing	22	46	24	\$67,860	0.59
All Other Miscellaneous Food Manufacturing	58	46	(12)	\$67,018	0.15
Support Activities for Forestry	41	43	2	\$20,059	0.22
Sewage Treatment Facilities	<10	41	Insf. Data	\$95,659	0.68
Dry, Condensed, and Evaporated Dairy Product Manufacturing	0	39	39	\$90,153	0.24
Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	30	39	9	\$37,520	0.19
Industrial Process Furnace and Oven Manufacturing	<10	37	Insf. Data	\$56,248	0.39
Fluid Power Pump and Motor Manufacturing	62	36	(26)	\$63,275	0.20
Distilleries	<10	35	Insf. Data	\$96,012	0.24
Steam and Air-Conditioning Supply	73	33	(40)	\$131,739	2.30
Frozen Fruit, Juice, and Vegetable Manufacturing	14	32	18	\$59,798	0.12
Hunting and Trapping	46	31	(15)	\$20,206	0.79
Animal (except Poultry) Slaughtering	0	31	31	\$35,025	0.02
Other Communication and Energy Wire Manufacturing	54	30	(24)	\$89,953	0.27
All Other Leather Good and Allied Product Manufacturing	42	30	(12)	\$26,953	0.29
Pipeline Transportation of Natural Gas	30	29	(1)	\$134,141	0.11
Crop Harvesting, Primarily by Machine	<10	26	Insf. Data	\$27,497	0.21
Poultry Processing	0	25	25	\$58,566	0.01

Flavoring Syrup and Concentrate Manufacturing	20	24	4	\$65,160	0.22
Specialty Canning	0	23	23	\$65,719	0.23
Primary Battery Manufacturing	<10	22	Insf. Data	\$84,133	0.19
Fluid Power Cylinder and Actuator Manufacturing	<10	18	Insf. Data	\$55,059	0.12
Logging	<10	17	Insf. Data	\$8,536	0.03
Industrial Gas Manufacturing	21	16	(5)	\$107,211	0.09
Wineries	15	15	0	\$26,589	0.02
Chocolate and Confectionery Manufacturing from Cacao Beans	0	13	13	\$95,108	0.15
Plumbing Fixture Fitting and Trim Manufacturing	<10	12	Insf. Data	\$44,892	0.12
Totalizing Fluid Meter and Counting Device Manufacturing	103	<10	Insf. Data	Insf. Data	0.07
Tobacco Manufacturing	<10	<10	Insf. Data	Insf. Data	0.03
Turbine and Turbine Generator Set Units Manufacturing	38	<10	Insf. Data	Insf. Data	0.00
Soybean and Other Oilseed Processing	<10	<10	Insf. Data	Insf. Data	0.02
Heating Equipment (except Warm Air Furnaces) Manufacturing	19	<10	Insf. Data	Insf. Data	0.02
Flour Milling	0	<10	Insf. Data	Insf. Data	0.01
Rendering and Meat Byproduct Processing	53	<10	Insf. Data	Insf. Data	0.03
Natural Gas Extraction	<10	<10	Insf. Data	Insf. Data	0.00
All Other Basic Organic Chemical Manufacturing	22	<10	Insf. Data	Insf. Data	0.02
Pesticide and Other Agricultural Chemical Manufacturing	0	<10	Insf. Data	Insf. Data	0.02
Wind Electric Power Generation	0	<10	Insf. Data	Insf. Data	0.04
Other Metal Valve and Pipe Fitting Manufacturing	34	<10	Insf. Data	Insf. Data	0.06
Fabricated Pipe and Pipe Fitting Manufacturing	38	<10	Insf. Data	Insf. Data	0.01
Farm Machinery and Equipment Manufacturing	<10	<10	Insf. Data	Insf. Data	0.01
Fats and Oils Refining and Blending	0	<10	Insf. Data	Insf. Data	0.03
Biomass Electric Power Generation	0	0	0	\$0	0.00
Other Electric Power Generation	0	0	0	\$0	0.00
Solid Waste Combustors and Incinerators	0	0	0	\$0	0.00
Nuclear Electric Power Generation	0	0	0	\$0	0.00
Timber Tract Operations	0	0	0	\$0	0.00
Forest Nurseries and Gathering of Forest Products	0	0	0	\$0	0.00
Rice Milling	0	0	0	\$0	0.00
Malt Manufacturing	0	0	0	\$0	0.00
Other Marine Fishing	0	0	0	\$0	0.00
Wet Corn Milling	0	0	0	\$0	0.00
Shellfish Fishing	0	0	0	\$0	0.00
Beet Sugar Manufacturing	0	0	0	\$0	0.00
Cane Sugar Manufacturing	0	0	0	\$0	0.00
Creamery Butter Manufacturing	0	0	0	\$0	0.00
Carbon and Graphite Product Manufacturing	0	0	0	\$0	0.00
Roasted Nuts and Peanut Butter Manufacturing	0	0	0	\$0	0.00

Ethyl Alcohol Manufacturing	0	0	0	\$0	0.00
Nitrogenous Fertilizer Manufacturing	13	0	(13)	\$0	0.00
Phosphatic Fertilizer Manufacturing	<10	0	Insf. Data	\$0	0.00
Power Boiler and Heat Exchanger Manufacturing	<10	0	Insf. Data	\$0	0.00
Cotton Ginning	0	0	0	\$0	0.00
Hydroelectric Power Generation	0	0	0	\$0	0.00
	49,664	68,490	18,826	\$79,451	

# 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#