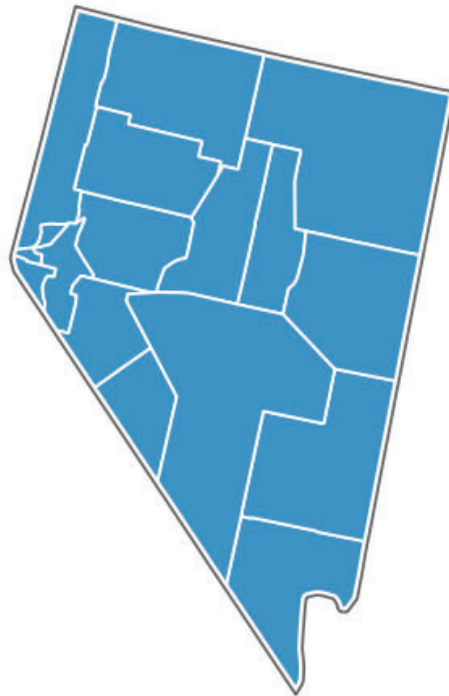


## **Nevada's Natural Resource Technologies Sector**



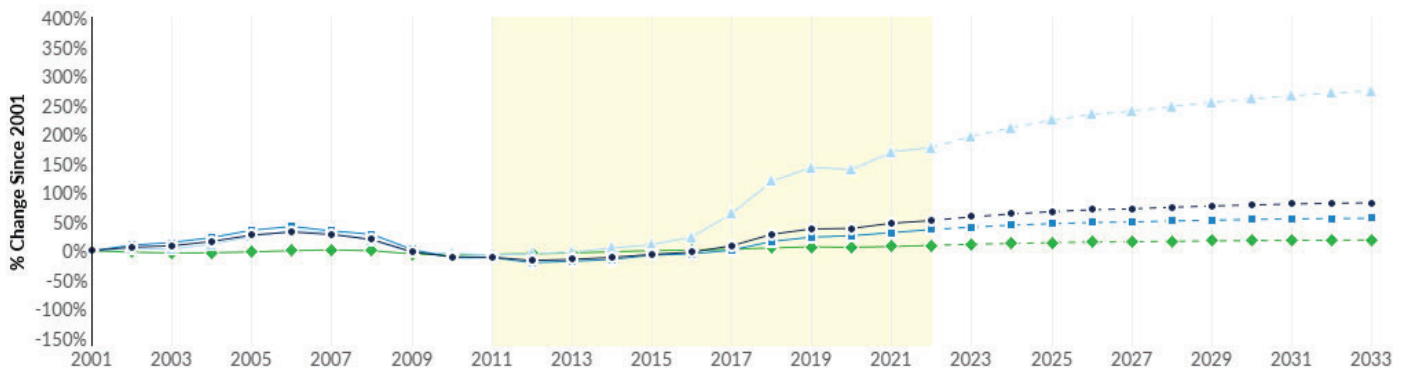
## Industry Summary for Natural Resource Technologies

<b>81,851</b> <b>Jobs (2022)</b> 21% below National average	<b>70.7%</b> <b>% Change (2011-2022)</b> Nation: 16.5%	<b>\$95,763</b> <b>Avg. Earnings Per Job (2022)</b> Nation: \$89,980
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## Industry Detail

Payrolled Business Locations (2022)	3,859
Jobs Multiplier	4

## Regional Trends



	Region	2011 Jobs	2022 Jobs	Change	% Change
●	Nevada	47,949	81,851	33,902	70.7%
●	Las Vegas, NV Metro	27,704	42,789	15,085	54.5%
●	Reno, NV Metro	8,917	26,717	17,799	199.6%
●	United States	9,367,911	10,913,806	1,545,895	16.5%

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

County	Jobs (2011)	Jobs (2022)	2011 - 2022 Job Change	Job Change %	Earnings (2022)	Jobs LQ (2022)
Clark County	27,704	42,789	15,085	54%	\$91,267	0.57
Washoe County	8,640	14,323	5,682	66%	\$87,039	0.88
Storey County	277	12,394	12,117	4375%	\$129,129	9.61
Nye County	1,960	2,434	474	24%	\$104,886	2.76
Douglas County	1,819	2,119	300	17%	\$92,446	1.58
Lyon County	1,617	1,698	81	5%	\$70,901	1.79
Carson City	854	1,428	574	67%	\$81,313	0.70
Elko County	1,975	1,426	(549)	(28%)	\$85,181	0.96
Churchill County	842	1,130	288	34%	\$76,608	1.62
Humboldt County	1,260	740	(520)	(41%)	\$83,967	1.40
[Nevada, county not reported]	166	411	245	148%	\$133,893	0.20
White Pine County	258	254	(4)	(1%)	\$75,102	0.85
Lincoln County	102	213	110	108%	\$64,163	2.26
Eureka County	96	154	57	60%	\$113,972	0.56
Lander County	131	141	10	7%	\$74,192	0.60
Pershing County	182	118	(64)	(35%)	\$63,550	0.87
Esmeralda County	31	56	25	81%	\$53,910	2.52
Mineral County	36	25	(10)	(29%)	\$77,983	0.22
	47,949	81,851	33,902	70.7%	\$95,763	

## Top Occupations Employed in these Industries

Description	Employed in Industry Group (2022)	% of Total Jobs in Industry Group (2022)
Plumbers, Pipefitters, and Steamfitters	5,545	6.8%
Construction Laborers	3,186	3.9%
General and Operations Managers	2,642	3.2%
Miscellaneous Assemblers and Fabricators	2,447	3.0%
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,264	2.8%

## Industry Requirements (Top Supply Chain)

Purchases from	In-region Purchases	Imported Purchases	Total Purchases
Nonferrous Metal (except Aluminum) Smelting and Refining	\$30,767,441	\$370,081,533	\$400,848,974
Animal Production	\$36,375,165	\$281,647,962	\$318,023,127
Corporate, Subsidiary, and Regional Managing Offices	\$216,597,689	\$78,005,392	\$294,603,081
Petroleum Refineries	\$28,743,893	\$255,119,348	\$283,863,241
Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	\$41,946,218	\$236,595,161	\$278,541,379

## Industry Gender Breakdown



	Gender	2022 Jobs	2022 Percent	
•	Males	60,107	73.4%	<div style="width: 73.4%;"></div>
•	Females	21,744	26.6%	<div style="width: 26.6%;"></div>

## Industry Age Breakdown



	Age	2022 Jobs	2022 Percent	
•	14-18	765	0.9%	<div style="width: 0.9%;"></div>
•	19-24	7,368	9.0%	<div style="width: 9.0%;"></div>
•	25-34	19,606	24.0%	<div style="width: 24.0%;"></div>
•	35-44	18,847	23.0%	<div style="width: 23.0%;"></div>
•	45-54	16,454	20.1%	<div style="width: 20.1%;"></div>
•	55-64	13,533	16.5%	<div style="width: 16.5%;"></div>
•	65+	5,277	6.4%	<div style="width: 6.4%;"></div>

# Industry Race/Ethnicity Breakdown



	Race/Ethnicity	2022 Jobs	2022 Percent	
•	White	48,110	58.8%	<div style="width: 58.8%;"></div>
•	Hispanic or Latino	21,063	25.7%	<div style="width: 25.7%;"></div>
•	Asian	4,919	6.0%	<div style="width: 6.0%;"></div>
•	Black or African American	4,538	5.5%	<div style="width: 5.5%;"></div>
•	Two or More Races	2,037	2.5%	<div style="width: 2.5%;"></div>
•	American Indian or Alaska Native	717	0.9%	<div style="width: 0.9%;"></div>
•	Native Hawaiian or Other Pacific Islander	467	0.6%	<div style="width: 0.6%;"></div>

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

NAICS	Description	2011 Jobs	2022 Jobs	2011 - 2022 Change	Avg. Earnings Per Job	2022 Location Quotient
335911	Storage Battery Manufacturing	0	12,005	12,005	\$129,027	32.68
221116	Geothermal Electric Power Generation	156	230	74	\$151,210	20.38
335912	Primary Battery Manufacturing	<10	205	Insf. Data	\$103,464	4.34
312112	Bottled Water Manufacturing	70	596	526	\$87,157	3.40
221114	Solar Electric Power Generation	35	146	111	\$167,873	2.04
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	96	396	300	\$71,697	2.03
311520	Ice Cream and Frozen Dessert Manufacturing	638	437	(201)	\$70,479	1.89
541380	Testing Laboratories	1,782	2,686	905	\$83,649	1.60
238910	Site Preparation Contractors	4,796	6,389	1,593	\$68,971	1.45
562212	Solid Waste Landfill	417	543	126	\$101,769	1.42
237110	Water and Sewer Line and Related Structures Construction	1,673	3,098	1,425	\$87,634	1.36
311942	Spice and Extract Manufacturing	248	336	88	\$80,943	1.31
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	807	688	(119)	\$123,203	1.25
311230	Breakfast Cereal Manufacturing	110	135	25	\$92,601	1.18
221210	Natural Gas Distribution	1,182	1,236	53	\$180,055	1.15
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	163	340	177	\$54,271	1.14
423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	535	1,259	725	\$87,043	1.14
311920	Coffee and Tea Manufacturing	222	279	57	\$60,859	1.11
541370	Surveying and Mapping (except Geophysical) Services	245	568	322	\$100,672	1.09
333912	Air and Gas Compressor Manufacturing	61	184	123	\$113,086	1.04
115210	Support Activities for Animal Production	195	502	307	\$20,333	1.03
311352	Confectionery Manufacturing from Purchased Chocolate	186	314	128	\$59,932	1.03
541620	Environmental Consulting Services	612	921	309	\$96,447	1.02

238220	Plumbing, Heating, and Air-Conditioning Contractors	6,587	13,833	7,247	\$83,723	0.99
813312	Environment, Conservation and Wildlife Organizations	384	671	287	\$50,089	0.96
562991	Septic Tank and Related Services	167	298	131	\$72,464	0.94
334417	Electronic Connector Manufacturing	48	196	148	\$56,276	0.92
332911	Industrial Valve Manufacturing	265	223	(42)	\$83,717	0.89
812332	Industrial Launderers	1,263	520	(743)	\$86,660	0.88
311930	Flavoring Syrup and Concentrate Manufacturing	<10	71	Insf. Data	\$101,752	0.88
311991	Perishable Prepared Food Manufacturing	307	507	201	\$42,935	0.86
221122	Electric Power Distribution	1,927	1,722	(205)	\$176,380	0.83
237130	Power and Communication Line and Related Structures Construction	1,469	2,171	702	\$92,696	0.80
541330	Engineering Services	6,553	8,634	2,081	\$110,435	0.80
444220	Nursery, Garden Center, and Farm Supply Stores	758	1,196	438	\$44,931	0.78
423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	357	567	210	\$105,391	0.77
311412	Frozen Specialty Food Manufacturing	265	461	196	\$58,112	0.75
221320	Sewage Treatment Facilities	66	47	(19)	\$109,874	0.74
312140	Distilleries	<10	168	Insf. Data	\$72,679	0.74
541360	Geophysical Surveying and Mapping Services	113	91	(22)	\$81,216	0.70
541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)	3,085	3,429	344	\$136,367	0.70
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	289	207	(82)	\$156,538	0.68
311340	Nonchocolate Confectionery Manufacturing	98	152	54	\$55,075	0.66
221112	Fossil Fuel Electric Power Generation	655	468	(187)	\$217,545	0.65
311919	Other Snack Food Manufacturing	40	278	238	\$53,709	0.64
326122	Plastics Pipe and Pipe Fitting Manufacturing	255	180	(75)	\$80,084	0.62



334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	69	95	26	\$47,221	0.60
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	100	243	143	\$101,318	0.60
335311	Power, Distribution, and Specialty Transformer Manufacturing	<10	141	Insf. Data	\$122,219	0.56
237120	Oil and Gas Pipeline and Related Structures Construction	1,223	841	(383)	\$87,807	0.53
311830	Tortilla Manufacturing	54	96	42	\$43,805	0.52
311423	Dried and Dehydrated Food Manufacturing	98	62	(37)	\$64,272	0.51
311511	Fluid Milk Manufacturing	198	262	64	\$81,023	0.51
111000	Crop Production	1,347	4,180	2,832	\$56,721	0.51
114210	Hunting and Trapping	53	18	(35)	\$15,272	0.49
311351	Chocolate and Confectionery Manufacturing from Cacao Beans	0	46	46	\$96,115	0.49
312113	Ice Manufacturing	65	35	(30)	\$61,879	0.48
562211	Hazardous Waste Treatment and Disposal	137	164	27	\$82,462	0.44
311421	Fruit and Vegetable Canning	141	235	94	\$84,915	0.42
333994	Industrial Process Furnace and Oven Manufacturing	<10	36	Insf. Data	\$71,423	0.42
325314	Fertilizer (Mixing Only) Manufacturing	23	36	12	\$63,101	0.41
311613	Rendering and Meat Byproduct Processing	75	31	(44)	\$90,861	0.41
562998	All Other Miscellaneous Waste Management Services	32	86	54	\$72,540	0.40
311119	Other Animal Food Manufacturing	101	136	35	\$81,199	0.39
312111	Soft Drink Manufacturing	93	299	207	\$72,654	0.39
221310	Water Supply and Irrigation Systems	97	182	85	\$80,395	0.38
335929	Other Communication and Energy Wire Manufacturing	50	43	(7)	\$81,888	0.37
325180	Other Basic Inorganic Chemical Manufacturing	235	137	(98)	\$136,170	0.36
112000	Animal Production	1,593	1,629	36	\$51,833	0.36
237990	Other Heavy and Civil Engineering Construction	545	510	(36)	\$118,257	0.36
115310	Support Activities for Forestry	13	75	62	\$133,592	0.35

334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	<10	43	Insf. Data	\$73,697	0.34
221115	Wind Electric Power Generation	0	25	25	\$144,380	0.33
334419	Other Electronic Component Manufacturing	170	175	5	\$56,061	0.30
312230	Tobacco Manufacturing	<10	31	Insf. Data	\$99,934	0.29
316998	All Other Leather Good and Allied Product Manufacturing	97	36	(61)	\$49,006	0.28
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	42	52	10	\$79,711	0.28
326191	Plastics Plumbing Fixture Manufacturing	68	44	(24)	\$77,621	0.27
562219	Other Nonhazardous Waste Treatment and Disposal	11	51	40	\$72,603	0.27
333241	Food Product Machinery Manufacturing	<10	47	Insf. Data	\$73,986	0.25
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	82	86	4	\$72,732	0.24
311612	Meat Processed from Carcasses	47	319	272	\$51,160	0.23
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	<10	43	Insf. Data	\$38,771	0.22
325199	All Other Basic Organic Chemical Manufacturing	23	84	61	\$136,404	0.22
332420	Metal Tank (Heavy Gauge) Manufacturing	78	73	(5)	\$71,352	0.21
311225	Fats and Oils Refining and Blending	0	15	15	\$75,517	0.21
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	42	59	17	\$69,108	0.21
311513	Cheese Manufacturing	0	115	115	\$91,135	0.21
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	0	36	36	\$79,835	0.20
114111	Finfish Fishing	110	26	(84)	\$142,489	0.19
311999	All Other Miscellaneous Food Manufacturing	55	71	17	\$67,479	0.19
333996	Fluid Power Pump and Motor Manufacturing	15	32	17	\$89,148	0.18

334519	Other Measuring and Controlling Device Manufacturing	62	60	(2)	\$76,856	0.17
311710	Seafood Product Preparation and Packaging	115	54	(61)	\$44,740	0.17
311111	Dog and Cat Food Manufacturing	43	55	12	\$83,057	0.17
312120	Breweries	40	163	123	\$49,538	0.16
332912	Fluid Power Valve and Hose Fitting Manufacturing	63	49	(14)	\$75,094	0.15
115112	Soil Preparation, Planting, and Cultivating	34	47	13	\$64,116	0.15
115115	Farm Labor Contractors and Crew Leaders	419	425	6	\$34,047	0.15
332919	Other Metal Valve and Pipe Fitting Manufacturing	40	17	(23)	\$63,426	0.12
486210	Pipeline Transportation of Natural Gas	38	33	(6)	\$142,625	0.11
115116	Farm Management Services	13	16	3	\$56,113	0.08
115114	Postharvest Crop Activities (except Cotton Ginning)	96	65	(31)	\$54,781	0.08
221121	Electric Bulk Power Transmission and Control	0	19	19	\$186,562	0.08
335931	Current-Carrying Wiring Device Manufacturing	<10	17	Insf. Data	\$60,013	0.06
115113	Crop Harvesting, Primarily by Machine	<10	<10	Insf. Data	Insf. Data	0.06
325320	Pesticide and Other Agricultural Chemical Manufacturing	0	<10	Insf. Data	Insf. Data	0.05
332996	Fabricated Pipe and Pipe Fitting Manufacturing	37	13	(24)	\$61,864	0.05
312130	Wineries	0	31	31	\$32,821	0.04
333111	Farm Machinery and Equipment Manufacturing	<10	25	Insf. Data	\$52,037	0.04
325120	Industrial Gas Manufacturing	16	<10	Insf. Data	Insf. Data	0.04
332913	Plumbing Fixture Fitting and Trim Manufacturing	<10	<10	Insf. Data	Insf. Data	0.03
113310	Logging	15	15	1	\$21,756	0.02
221330	Steam and Air-Conditioning Supply	67	<10	Insf. Data	Insf. Data	0.02
114112	Shellfish Fishing	0	<10	Insf. Data	Insf. Data	0.02

333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	164	18	(146)	\$70,088	0.02
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	<10	<10	Insf. Data	Insf. Data	0.02
333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing	132	<10	Insf. Data	Insf. Data	0.02
311615	Poultry Processing	0	26	26	\$63,772	0.01
333995	Fluid Power Cylinder and Actuator Manufacturing	<10	<10	Insf. Data	Insf. Data	0.01
325311	Nitrogenous Fertilizer Manufacturing	<10	0	Insf. Data	\$0	0.00
311611	Animal (except Poultry) Slaughtering	<10	<10	Insf. Data	Insf. Data	0.00
113110	Timber Tract Operations	0	0	0	\$0	0.00
113210	Forest Nurseries and Gathering of Forest Products	0	0	0	\$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

325312	Phosphatic Fertilizer Manufacturing	<10	0	Insf. Data	\$0	0.00
332410	Power Boiler and Heat Exchanger Manufacturing	31	0	(31)	\$0	0.00
333611	Turbine and Turbine Generator Set Units Manufacturing	47	0	(47)	\$0	0.00
334514	Totalizing Fluid Meter and Counting Device Manufacturing	38	0	(38)	\$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
		47,949	81,851	33,902	\$95,763	

# 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