Vermont

Short Term Employment Projections 2016 - 2018

Background

Every year, the Vermont Department of Labor produces the state's short term employment projections. These projections use historical and current industry employment and occupational survey data to project how employment will change over a two-year period. The projection results reflect short term business cycle activity, such as periods of recession or rapid growth. Consequently, the short term employment projections are helpful for those looking for immediate employment, whether temporary, part-time or full-time.

In contrast, Vermont's long term (ten-year) employment projections are designed to assist the educational community, workforce development specialists and individuals planning for the future. The <u>long term occupational employment projections</u> can be used to identify occupations that will show stability, growth and good incomes over the long run. The methods used to produce long term projections ignore the peaks and valleys of business cycles and focus on the fundamental elements that affect the demand for a particular occupation.

Short Term Employment Projections Tables:

Occupations with the Most Openings Fastest Growing Occupations Industry Projections

For more Vermont information, including projections, go to <u>Occupations</u> or <u>Industries</u> at www.vtLmi.info.

Methods

The 2016-2018 short term employment projections are based on Vermont historical data from 1990 through the first quarter of 2016. The primary data sources used were the Quarterly Census of Employment and Wages and the Occupational Employment Statistics survey.

The results of the 2016–2018 occupational employment projections provide a general guide for the direction and relative strength of occupational demand but are not intended to indicate absolute levels of employment in an occupation.

Annual openings reflect both job growth and estimated net replacement openings. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements. Net replacement openings equal workers who permanently leave an occupation minus workers from the same occupation who move into a vacated position. Note that this is less than gross openings, which includes openings that come from workers changing jobs within the same occupation.

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Short Term Occupational Projections: 2016 - 2018
Occupations with the Most Openings

Occupation	2016 Base Year Employment	2018 Projected Employment	Total Annual	Average Annual Growth Rate*
1 Cashiers	9,358	9,472	531	0.6%
2 Retail Salespersons	9,767	9,888	426	0.6%
3 Waiters and Waitresses	5,620	5,710	339	0.8%
4 Registered Nurses	6,544	6,801	272	1.9%
5 Combined Food Preparation and Serving Workers, Including Fast Food	5,064	5,201	265	1.3%
6 Carpenters	6,667	6,845	169	1.3%
7 Maids and Housekeeping Cleaners	5,008	5,052	135	0.4%
8 First-Line Supervisors of Retail Sales Workers	4,851	4,899	134	0.5%
9 Stock Clerks and Order Fillers	3,002	3,059	130	0.9%
10 Janitors and Cleaners, Except Maids and Housekeeping Cleaners	5,217	5,283	127	0.6%
11 Landscaping and Groundskeeping Workers	4,633	4,726	127	1.0%
12 Accountants and Auditors	3,451	3,518	124	1.0%
13 Farmers, Ranchers, and Other Agricultural Managers	5,909	5,957	122	0.4%
14 Teacher Assistants	5,299	5,219	122	-0.8%
15 Nursing Assistants	3,693	3,769	116	1.0%
16 Customer Service Representatives	3,441	3,497	108	0.8%
17 Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,025	1,040	104	0.7%
18 Sales Representatives, Wholesale and Manufacturing, Except Technical a Scientific Products	and 2,763	2,856	102	1.7%
19 Cooks, Restaurant	2,291	2,368	100	1.7%
20 Dishwashers	1,674	1,674	93	0.0%
21 Bartenders	1,917	1,953	88	0.9%
22 Childcare Workers	2,854	2,854	87	0.0%
23 First-Line Supervisors of Food Preparation and Serving Workers	1,984	2,030	87	1.2%
24 Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	797	813	87	1.0%
25 Automotive Service Technicians and Mechanics	2,631	2,666	86	0.7%
26 Receptionists and Information Clerks	2,462	2,494	86	0.6%
27 Construction Laborers	2,388	2,464	85	1.6%
28 Managers, All Other	3,439	3,466	84	0.4%
29 Maintenance and Repair Workers, General	3,087	3,107	84	0.3%
30 General and Operations Managers	2,845	2,878	83	0.6%
31 Food Preparation Workers	2,137	2,171	83	0.8%

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Short Term Occupational Projections: 2016 - 2018
Occupations with the Most Openings

Occupation	2016 Base Year Employment	2018 Projected Employment	Total Annual	Average Annual Growth Rate*
32 Dining Room and Cafeteria Attendants and Bartender Helpers	1,221	1,230	81	0.4%
33 Hotel, Motel, and Resort Desk Clerks	1,302	1,319	80	0.7%
34 Elementary School Teachers, Except Special Education	3,426	3,366	76	-0.9%
35 Hairdressers, Hairstylists, and Cosmetologists	2,214	2,255	76	0.9%
36 Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	5,973	5,996	75	0.2%
37 Teachers and Instructors, All Other	4,042	4,011	74	-0.4%
38 Laborers and Freight, Stock, and Material Movers, Hand	2,218	2,229	74	0.2%
39 Secondary School Teachers, Except Special and Career/Technical Education	on 2,747	2,699	68	-0.9%
40 Social and Human Service Assistants	2,376	2,424	66	1.0%
41 Heavy and Tractor-Trailer Truck Drivers	4,030	3,979	64	-0.6%
42 Compliance Officers	2,247	2,314	63	1.5%
43 Bookkeeping, Accounting, and Auditing Clerks	6,047	5,980	59	-0.6%
44 Licensed Practical and Licensed Vocational Nurses	1,505	1,532	56	0.9%
45 Farmworkers, Farm, Ranch, and Aquacultural Animals	1,080	1,132	56	2.4%
46 Police and Sheriff's Patrol Officers	1,314	1,340	55	1.0%
47 Coaches and Scouts	1,583	1,585	54	0.1%
48 First-Line Supervisors of Construction Trades and Extraction Workers	1,847	1,912	48	1.7%
49 Light Truck or Delivery Services Drivers	2,432	2,447	47	0.3%
50 Market Research Analysts and Marketing Specialists	1,596	1,658	47	1.9%
Total, All Occupations	368,875	372,445	11,064	0.5%

NOTES AND METHODS:

The 2017 short term occupational projections were based on Vermont historical data from 1990 through 2016, 1st quarter. Time series forecasting methods were used to predict employment movements through 1st quarter, 2018. The results provide a general guide for the direction and relative strength of occupational demand but are not intended to indicate an absolute level of job openings.

Annual openings reflect both job growth and estimated net replacement openings. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements. Net replacement openings are equal to: 1) workers who permanently leave an occupation, less 2) workers who move into a vacated position.

Last updated March, 2017

^{*} The average annual growth rate using a compounding formula.

Vermont
Short Term Occupational Projections: 2016 - 2018
Fastest Growing Occupations

Occupation	2016 Base Year Employment	2018 Projected Employment	Average Annual Growth Rate*	Total Annual Openings
1 Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	132	147	5.5%	12
2 HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	87	94	3.9%	6
3 Physical Therapist Assistants	125	135	3.9%	9
4 Dental Laboratory Technicians	106	114	3.7%	7
5 HelpersElectricians	115	123	3.4%	6
6 Software Developers, Systems Software	655	700	3.4%	30
7 HelpersRoofers	44	47	3.4%	2
8 Solar Photovoltaic Installers	104	111	3.3%	6
9 Septic Tank Servicers and Sewer Pipe Cleaners	93	99	3.2%	5
10 Home Health Aides	562	597	3.1%	30
11 Security and Fire Alarm Systems Installers	81	86	3.0%	4
12 Physical Therapists	819	867	2.9%	44
13 Agricultural Equipment Operators	143	151	2.8%	8
14 Food Cooking Machine Operators and Tenders	36	38	2.7%	1
15 HelpersCarpenters	217	229	2.7%	10
16 Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	656	692	2.7%	31
17 Computer Systems Analysts	448	472	2.6%	17
18 Diagnostic Medical Sonographers	94	99	2.6%	4
19 HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters	96	101	2.6%	4
20 Physician Assistants	329	346	2.6%	14
21 Web Developers	748	785	2.4%	26
22 Environmental Engineering Technicians	102	107	2.4%	4
23 Radiation Therapists	41	43	2.4%	2
24 Farmworkers, Farm, Ranch, and Aquacultural Animals	1,080	1,132	2.4%	56
25 Cement Masons and Concrete Finishers	209	219	2.4%	7
26 Cardiovascular Technologists and Technicians	63	66	2.4%	3
27 Painters, Transportation Equipment	42	44	2.4%	2
28 Brickmasons and Blockmasons	190	199	2.3%	6
29 Animal Control Workers	85	89	2.3%	4
30 Urban and Regional Planners	193	202	2.3%	8

Vermont
Short Term Occupational Projections: 2016 - 2018
Fastest Growing Occupations

Occupation	2016 Base Year Employment	2018 Projected	Average Annual Growth Rate*	Total Annual Openings
31 Clinical, Counseling, and School Psychologists	945	989	2.3%	41
32 Biological Technicians	172	180	2.3%	9
33 Healthcare Support Workers, All Other	215	225	2.3%	9
34 Farmworkers and Laborers, Crop, Nursery, and Greenhouse	603	631	2.3%	30
35 Environmental Engineers	113	118	2.2%	5
36 Health Technologists and Technicians, All Other	162	169	2.1%	6
37 Veterinary Technologists and Technicians	372	388	2.1%	11
38 Parking Lot Attendants	93	97	2.1%	8
39 Sheet Metal Workers	327	341	2.1%	13
40 Building Cleaning Workers, All Other	187	195	2.1%	8
41 Medical and Clinical Laboratory Technologists	236	246	2.1%	11
42 Phlebotomists	190	198	2.1%	8
43 Conservation Scientists	95	99	2.1%	6
44 Environmental Science and Protection Technicians, Including Health	96	100	2.1%	6
45 Respiratory Therapists	218	227	2.0%	8
46 Nurse Midwives	49	51	2.0%	2
47 Court, Municipal, and License Clerks	809	842	2.0%	22
48 Opticians, Dispensing	149	155	2.0%	7
49 Surgical Technologists	149	155	2.0%	4
50 Roofers	405	421	2.0%	14
Total, All Occupations	368,875	372,445	0.5%	11,064

NOTES AND METHODS:

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Short Term Industry Projections: 2016 - 2018

NAICS Industry	2016 Employment	2018 Projected Employment	2016- 2018 Change	Average Annual Growth Rate *
Natural Resources and Mining				
111 Crop Production	634	675	41	3.2%
112 Animal Production	1,757	1,849	92	2.6%
113 Forestry and Logging	196	198	2	0.5%
114 Fishing, Hunting and Trapping	n	n	n	n
115 Support Activities for Agriculture and Forestry	294	297	3	0.5%
212 Mining (except Oil and Gas)	547	560	13	1.2%
213 Support Activities for Mining	n	n	n	n
Utilities				
221 Utilities	1,426	1,146	-280	-10.4%
Construction				
236 Construction of Buildings	3,883	4,123	240	3.0%
237 Heavy and Civil Engineering Construction	1,111	1,090	-21	-0.9%
238 Specialty Trade Contractors	8,199	8,652	453	2.7%
Manufacturing				
311 Food Manufacturing	5,331	5,125	-206	-2.0%
312 Beverage and Tobacco Product Manufacturing	741	893	152	9.8%
313 Textile Mills	91	95	4	2.2%
314 Textile Product Mills	83	75	-8	-4.9%
315 Apparel Manufacturing	351	356	5	0.7%
316 Leather and Allied Product Manufacturing	n	n	n	n
321 Wood Product Manufacturing	1,631	1,572	-59	-1.8%
322 Paper Manufacturing	733	711	-22	-1.5%
323 Printing and Related Support Activities	1,026	1,002	-24	-1.2%
324 Petroleum and Coal Products Manufacturing	40	41	1	1.2%
325 Chemical Manufacturing	1,407	1,470	63	2.2%
326 Plastics and Rubber Products Manufacturing	1,203	1,198	-5	-0.2%
327 Nonmetallic Mineral Product Manufacturing	1,384	1,363	-21	-0.8%
331 Primary Metal Manufacturing	n	n	n	n
332 Fabricated Metal Product Manufacturing	1,857	1,816	-41	-1.1%
333 Machinery Manufacturing	2,887	2,825	-62	-1.1%
334 Computer and Electronic Product Manufacturing	4,934	4,404	-530	-5.5%
335 Electrical Equipment, Appliance, and Component Mfg	1,159	1,086	-73	-3.2%
336 Transportation Equipment Manufacturing	1,850	1,669	-181	-5.0%
337 Furniture and Related Product Manufacturing	1,395	1,349	-46	-1.7%
339 Miscellaneous Manufacturing	1,625	1,655	30	0.9%
Wholesale Trade				
423 Merchant Wholesalers, Durable Goods	3,804	3,901	97	1.3%
424 Merchant Wholesalers, Nondurable Goods	4,707	4,720	13	0.1%
425 Wholesale Electronic Mkts, Agents and Brokers	817	1,065	248	14.2%

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Short Term Industry Projections: 2016 - 2018

NAICS Industry	2016 Employment	2018 Projected Employment	2016- 2018 Change	Average Annual Growth Rate *
Part Trade	Linploymont	Linpioymont	Onlango	rtuto
Retail Trade	5.074	F 450	00	0.00/
441 Motor Vehicle and Parts Dealers	5,071	5,159	88	0.9%
442 Furniture and Home Furnishings Stores	910	904	-6	-0.3%
443 Electronics and Appliance Stores	721	692	-29	-2.0%
444 Building Material and Garden Supplies Dealers	3,376	3,448	72	1.1%
445 Food and Beverage Stores	9,935	10,081	146	0.7%
446 Health and Personal Care Stores	1,975	1,964	-11	-0.3%
447 Gasoline Stations	3,831	3,940	109	1.4%
448 Clothing and Clothing Accessories Stores	2,267	2,238	-29	-0.6%
451 Sporting Goods, Hobby, Book, and Music Stores	1,932	1,845	-87	-2.3%
452 General Merchandise Stores	3,121	3,305	184	2.9%
453 Miscellaneous Store Retailers	2,015	1,958	-57	-1.4%
454 Nonstore Retailers	2,290	2,251	-39	-0.9%
Transportation & Warehousing				
481 Air Transportation	104	91	-13	-6.5%
482 Rail Transportation	n	n	n	n
483 Water Transportation	n	n	n	n
484 Truck Transportation	2,025	1,873	-152	-3.8%
485 Transit and Ground Passenger Transport	1,367	1,351	-16	-0.6%
487 Scenic and Sightseeing Transportation	17	19	2	5.7%
488 Support Activities for Transportation	472	492	20	2.1%
492 Couriers and Messengers	1,062	1,103	41	1.9%
493 Warehousing and Storage	1,305	1,315	10	0.4%
Information				
511 Publishing Industries	1,835	1,726	-109	-3.0%
512 Motion Picture and Sound Recording Industries	313	314	1	0.2%
515 Broadcasting (except Internet)	703	704	1	0.1%
517 Telecommunications	1,084	935	-149	-7.1%
518 Data Processing, Hosting and Related Services	221	225	4	0.9%
519 Other Information Services	488	496	8	0.8%
Financial Activities				
522 Credit Intermediation and Related Activities	4,205	4,118	-87	-1.0%
523 Securities, Commodity Contracts, & Other Investments	779	811	32	2.0%
524 Insurance Carriers and Related Activities	3,999	4,034	35	0.4%
531 Real Estate	2,112	2,155	43	1.0%
532 Rental and Leasing Services	712	724	12	0.8%
533 Lessors of Nonfinancial Intangible Assets	n	n	n	n

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Short Term Industry Projections: 2016 - 2018

NAICS Industry	2016 Employment	2018 Projected Employment	2016- 2018 Change	Average Annual Growth Rate *
Professional and Business Services				
541 Professional, Scientific, and Technical Services	14,118	14,594	476	1.7%
551 Management of Companies and Enterprises	2,105	2,181	76	1.8%
561 Administrative and Support Services	9,233	9,664	431	2.3%
562 Waste Management and Remediation Service	1,002	1,029	27	1.3%
Educational and Health Services				
611 Educational Services (includes public education)	39,009	38,334	-675	-0.9%
621 Ambulatory Health Care Services	16,871	17,581	710	2.1%
622 Hospitals (includes state hospital)	13,836	14,342	506	1.8%
623 Nursing and Residential Care Facilities	7,386	7,440	54	0.4%
624 Social Assistance	12,345	12,431	86	0.3%
Leisure and Hospitality				
711 Perf. Arts, Spectator Sports, and Rel. Industries	679	709	30	2.2%
712 Museums, Historical Sites, and Similar Institution	408	420	12	1.5%
713 Amusement, Gambling, and Recreation Industries	2,833	2,966	133	2.3%
721 Accommodation	14,502	14,657	155	0.5%
722 Food Services and Drinking Places	19,571	19,989	418	1.1%
Other Services				
811 Repair and Maintenance	2,775	2,810	35	0.6%
812 Personal and Laundry Services	1,993	2,010	17	0.4%
813 Religious, Grantmaking, Civic, Prof, and Similar Org's	5,492	5,427	-65	-0.6%
814 Private Households	654	599	-55	-4.3%
Government				
Total Federal Government Employment	6,864	7,027	163	1.2%
Federal Government, Excluding Post Office	5,254	5,442	188	1.8%
Postal Service	1,610	1,585	-25	-0.8%
State Government, Excluding Education and Hospitals	9,524	9,584	60	0.3%
Local Government, Excluding Education and Hospitals	9,568	9,954	386	2.0%
Total Wage and Salary Employment**	308,575	311,445	2,870	0.5%
Total Self-Employed and Unpaid Family Workers	60,300	61,000	700	0.6%
Total Employment, All Jobs**	368,875	372,445	3,570	0.5%

NOTES AND METHODS

- n Data do not meet disclosure standards
- * Growth rates are compound average annual rates
- Total Employment includes suppressed values and does not equal the sum of the disclosed industry line items NAICS refers to the North American Industry Classification System.

 Employment shown in 2016 and 2018 is for first quarter, Jan--Mar.

Last updated March, 2017