

WIC Green Jobs Occupation Worksheet - California's Response to BLS

Code	Level	Title	Renewable energy except nuclear	Nuclear energy	Energy Efficiency and conservation	Greenhouse gas reduction	Pollution abatement, hazardous waste removal	Recycling and waste reduction	Bioscience and agriculture	Education, compliance, public awareness, training	Other green activity	Rationale
11-1011	Detailed	Chief Executives	X		X	X	X	X	X	X		Three RE/EE studies cite this occupation.
11-1021	Detailed	General and Operations Managers	X		X	X	X	X	X	X		Four clean tech/green reports cite this occupation. Workers direct operations for green firms.
11-1031	Detailed	Legislators										
11-2011	Detailed	Advertising and Promotions Managers										
11-2021	Detailed	Marketing Managers										
11-2022	Detailed	Sales Managers										
11-2031	Detailed	Public Relations Managers										
11-3011	Detailed	Administrative Services Managers	X									ASES (Amer. Solar) listed this occupation in <i>Defining, Estimating, and Forecasting the Renewable Energy and Energy Efficiency Industries in the U.S. and Colorado</i> .
11-3021	Detailed	Computer and Information Systems Managers										
11-3031	Detailed	Financial Managers	X		X							These were cited in two green reports.
11-3041	Detailed	Compensation and Benefits Managers										
11-3042	Detailed	Training and Development Managers			X							
11-3049	Detailed	Human Resources Managers, All Other										
11-3051	Detailed	Industrial Production Managers	X		X	X	X	X	X	X		Cited in green reports. Direct production of products, or parts contributing to RE or EE systems or products.
11-3061	Detailed	Purchasing Managers	X		X	X	X	X	X	X		Green-tinged -- applies only to Purchasing Managers who work for RE/EE firms or Sustainable farms
11-3071	Detailed	Transportation, Storage, and Distribution Managers	X			X			X			Managers in alternative energy in charge of transporting and distributing alternative energy such as biomass.
11-9011	Detailed	Farm, Ranch, and Other Agricultural Managers							X			Sustainable farming mgr.
11-9012	Detailed	Farmers and Ranchers							X			Sustainable Farmers
11-9021	Detailed	Construction Managers	X	X	X							Wind farm construction, LEED building, etc.
11-9031	Detailed	Education Administrators, Preschool and Child Care Center/Program										
11-9032	Detailed	Education Administrators, Elementary and Secondary School										
11-9033	Detailed	Education Administrators, Postsecondary										
11-9039	Detailed	Education Administrators, All Other										
11-9041	Detailed	Engineering Managers	X		X	X		X	X			Four green/clean tech studies cite these workers. See link below.
11-9051	Detailed	Food Service Managers										
11-9061	Detailed	Funeral Directors										
11-9071	Detailed	Gaming Managers										
11-9081	Detailed	Lodging Managers										

Blue shaded rows are occupations identified and included in California's "Green Jobs Survey"

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11-9111	Detailed	Medical and Health Services Managers										
11-9121	Detailed	Natural Sciences Managers							X			Wetlands management
11-9131	Detailed	Postmasters and Mail Superintendents										
11-9141	Detailed	Property, Real Estate, and Community Association Managers										
11-9151	Detailed	Social and Community Service Managers										
11-9199	Detailed	Managers, All Other										
13-1011	Detailed	Agents and Business Managers of Artists, Performers, and Athletes										
13-1021	Detailed	Purchasing Agents and Buyers, Farm Products							X			This applies only to Purchasing Managers who buy sustainable products used in sustainable farming.
13-1022	Detailed	Wholesale and Retail Buyers, Except Farm Products										This applies only to purchasing sustainable products used as parts in the manufacture of Green goods
13-1023	Detailed	Purchasing Agents, Except Wholesale, Retail, and Farm Products										This applies only to purchasing sustainable products used as parts in the manufacture of Green goods
13-1031	Detailed	Claims Adjusters, Examiners, and Investigators										
13-1032	Detailed	Insurance Appraisers, Auto Damage										
13-1041	Detailed	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation										
13-1051	Detailed	Cost Estimators	X		X	X	X	X				This occupation includes Energy Auditors by some definitions.
13-1061	Detailed	Emergency Management Specialists										
13-1071	Detailed	Employment, Recruitment, and Placement Specialists										
13-1072	Detailed	Compensation, Benefits, and Job Analysis Specialists										
13-1073	Detailed	Training and Development Specialists	X		X					X		To prepare workers for shovel-ready jobs. For example, training roofers and electricians to be solar installers. Also, coordinate sustainability training for employees.
13-1079	Detailed	Human Resources, Training, and Labor Relations Specialists, All Other										
13-1081	Detailed	Logisticians										
13-1111	Detailed	Management Analysts	X		X							Five green studies cite this occupation, usually under the specialty "Energy Management Analysts".
13-1121	Detailed	Meeting and Convention Planners										
13-1199	Detailed	Business Operations Specialists, All Other										

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13-2011	Detailed	Accountants and Auditors	X		X							Applies to Accountants and Auditors who work in renewable energy and energy efficiency firms.
13-2021	Detailed	Appraisers and Assessors of Real Estate										
13-2031	Detailed	Budget Analysts										
13-2041	Detailed	Credit Analysts										
13-2051	Detailed	Financial Analysts										
13-2052	Detailed	Personal Financial Advisors										
13-2053	Detailed	Insurance Underwriters										
13-2061	Detailed	Financial Examiners										
13-2071	Detailed	Loan Counselors										
13-2072	Detailed	Loan Officers										
13-2081	Detailed	Tax Examiners, Collectors, and Revenue Agents										
13-2082	Detailed	Tax Preparers										
13-2099	Detailed	Financial Specialists, All Other										
15-1011	Detailed	Computer and Information Scientists, Research	X		X							Research in design of renewable energy systems.
15-1021	Detailed	Computer Programmers	X		X							Providing programming tasks for smart grid and other energy efficiency programs. Also, work alongside engineers to develop alternative energy products.
15-1031	Detailed	Computer Software Engineers, Applications	X		X							Needed for smart grid and other energy efficiency programs. Also, alternative energy systems.
15-1032	Detailed	Computer Software Engineers, Systems Software	X		X							Needed for smart grid and other energy efficiency programs. Also, alternative energy systems.
15-1041	Detailed	Computer Support Specialists										
15-1051	Detailed	Computer Systems Analysts			X							
15-1061	Detailed	Database Administrators										
15-1071	Detailed	Network and Computer Systems Administrators										
15-1081	Detailed	Network Systems and Data Communications Analysts										
15-1099	Detailed	Computer Specialists, All Other										
15-2011	Detailed	Actuaries										
15-2021	Detailed	Mathematicians										
15-2031	Detailed	Operations Research Analysts										
15-2041	Detailed	Statisticians										
15-2091	Detailed	Mathematical Technicians										
15-2099	Detailed	Mathematical Science Occupations, All Other										
17-1011	Detailed	Architects, Except Landscape and Naval			X							LEED building
17-1012	Detailed	Landscape Architects						X	X			Drought-resistant garden designs; design systems for water conservation and recycling.
17-1021	Detailed	Cartographers and Photogrammetrists										

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17-1022	Detailed	Surveyors	X		X				X			Assist engineers to mark property boundaries for green construction, including renewable energy businesses.
17-2011	Detailed	Aerospace Engineers										
17-2021	Detailed	Agricultural Engineers						X	X			Sustainable farming and soil/water conservation.
17-2031	Detailed	Biomedical Engineers										
17-2041	Detailed	Chemical Engineers	X		X	X			X			Biofuels, biomass, energy efficient manufactured goods.
17-2051	Detailed	Civil Engineers	X					X	X			Plan, produce, and/or design green land development projects (surveying, wastewater/water, and grading)
17-2061	Detailed	Computer Hardware Engineers										
17-2071	Detailed	Electrical Engineers	X		X	X						Design and Develop alternative energies and related systems, smart grid, and alternative vehicles.
17-2072	Detailed	Electronics Engineers, Except Computer										
17-2081	Detailed	Environmental Engineers	X		X	X	X	X	X	X		Address a variety of environmental problems. Inspect industrial facilities and programs to ensure compliance with regulations.
17-2111	Detailed	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors										
17-2112	Detailed	Industrial Engineers										
17-2121	Detailed	Marine Engineers and Naval Architects										
17-2131	Detailed	Materials Engineers	X									Designs materials, such as thin film for solar panels
17-2141	Detailed	Mechanical Engineers	X		X	X	X	X	X			Plan and design tools, engines, machines, and other mechanically functioning equipment to be used in green industries.
17-2151	Detailed	Mining and Geological Engineers, Including Mining Safety Engineers										
17-2161	Detailed	Nuclear Engineers		X								
17-2171	Detailed	Petroleum Engineers										
17-2199	Detailed	Engineers, All Other										
17-3011	Detailed	Architectural and Civil Drafters			X							Assist architects and engineers for LEED building design
17-3012	Detailed	Electrical and Electronics Drafters										
17-3013	Detailed	Mechanical Drafters	X									
17-3019	Detailed	Drafters, All Other										
17-3021	Detailed	Aerospace Engineering and Operations Technicians										
17-3022	Detailed	Civil Engineering Technicians	X		X							American Solar Energy Society (ASES) cites this occupation for RE and EE.

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17-3023	Detailed	Electrical and Electronic Engineering Technicians	X		X							1 study links this occupation to geothermal and two studies mention this job for energy efficiency equipment and devices.
17-3024	Detailed	Electro-Mechanical Technicians	X		X							American Solar Energy Society (ASES) cites this occupation
17-3025	Detailed	Environmental Engineering Technicians	X		X	X	X	X	X	X		
17-3026	Detailed	Industrial Engineering Technicians										Surprisingly, there were no citations of this occupation in any of the 80+ green studies.
17-3027	Detailed	Mechanical Engineering Technicians	X		X							<i>Clean Energy and Green Building Careers in Silicon Valley</i> cites this occupation for RE and EE.
17-3029	Detailed	Engineering Technicians, Except Drafters, All Other										
17-3031	Detailed	Surveying and Mapping Technicians										
19-1011	Detailed	Animal Scientists							X			
19-1012	Detailed	Food Scientists and Technologists										
19-1013	Detailed	Soil and Plant Scientists							X			E.g., erosion, plant growth research. Three "green" studies cite this occupation.
19-1021	Detailed	Biochemists and Biophysicists	X		X				X			Two green reports cite these workers for RE and EE
19-1022	Detailed	Microbiologists							X			
19-1023	Detailed	Zoologists and Wildlife Biologists							X			
19-1029	Detailed	Biological Scientists, All Other										
19-1031	Detailed	Conservation Scientists			X				X			Soil, water, ranges
19-1032	Detailed	Foresters							X			
19-1041	Detailed	Epidemiologists										
19-1042	Detailed	Medical Scientists, Except Epidemiologists										
19-1099	Detailed	Life Scientists, All Other										
19-2011	Detailed	Astronomers										
19-2012	Detailed	Physicists										
19-2021	Detailed	Atmospheric and Space Scientists				X	X					R&D Air pollution abatement technologies
19-2031	Detailed	Chemists	X						X			Biomass, biofuels
19-2032	Detailed	Materials Scientists										
19-2041	Detailed	Environmental Scientists and Specialists, Including Health			X	X	X			X		Research, education, consulting
19-2042	Detailed	Geoscientists, Except Hydrologists and Geographers			X	X			X			ONET says, "Used for exploration for underground water; or in waste disposal, land reclamation, or other environmental problems."
19-2043	Detailed	Hydrologists			X	X	X		X			
19-2099	Detailed	Physical Scientists, All Other										
19-3011	Detailed	Economists										
19-3021	Detailed	Market Research Analysts										
19-3022	Detailed	Survey Researchers										
19-3031	Detailed	Clinical, Counseling, and School Psychologists										

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19-3032	Detailed	Industrial-Organizational Psychologists										
19-3039	Detailed	Psychologists, All Other										
19-3041	Detailed	Sociologists										
19-3051	Detailed	Urban and Regional Planners	X		X				X			Land-use planning, urban garden sites
19-3091	Detailed	Anthropologists and Archeologists										
19-3092	Detailed	Geographers										
19-3093	Detailed	Historians										
19-3094	Detailed	Political Scientists										
19-3099	Detailed	Social Scientists and Related Workers, All Other										
19-4011	Detailed	Agricultural and Food Science Technicians										
19-4021	Detailed	Biological Technicians	X		X				X			Research and development for products and technologies (e.g., biofuels)
19-4031	Detailed	Chemical Technicians	X			X	X	X	X			Assist in development of alternative fuels and energy, as well as earth-friendly products for personal use, agriculture, etc.
19-4041	Detailed	Geological and Petroleum Technicians										
19-4051	Detailed	Nuclear Technicians		X								
19-4061	Detailed	Social Science Research Assistants										
19-4091	Detailed	Environmental Science and Protection Technicians, Including Health			X	X	X	X	X	X		Assist Environmental Engineers in areas such as R&D, compliance and education programs, etc.
19-4092	Detailed	Forensic Science Technicians										
19-4093	Detailed	Forest and Conservation Technicians							X			
19-4099	Detailed	Life, Physical, and Social Science Technicians, All Other										
21-1011	Detailed	Substance Abuse and Behavioral Disorder Counselors										
21-1012	Detailed	Educational, Vocational, and School Counselors										
21-1013	Detailed	Marriage and Family Therapists										
21-1014	Detailed	Mental Health Counselors										
21-1015	Detailed	Rehabilitation Counselors										
21-1019	Detailed	Counselors, All Other										
21-1021	Detailed	Child, Family, and School Social Workers										
21-1022	Detailed	Medical and Public Health Social Workers										
21-1023	Detailed	Mental Health and Substance Abuse Social Workers										
21-1029	Detailed	Social Workers, All Other										
21-1091	Detailed	Health Educators										
21-1092	Detailed	Probation Officers and Correctional Treatment Specialists										
21-1093	Detailed	Social and Human Service Assistants										

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21-1099	Detailed	Community and Social Service Specialists, All Other										
21-2011	Detailed	Clergy										
21-2021	Detailed	Directors, Religious Activities and Education										
21-2099	Detailed	Religious Workers, All Other										
23-1011	Detailed	Lawyers										
23-1021	Detailed	Administrative Law Judges, Adjudicators, and Hearing Officers										
23-1022	Detailed	Arbitrators, Mediators, and Conciliators										
23-1023	Detailed	Judges, Magistrate Judges, and Magistrates										
23-2011	Detailed	Paralegals and Legal Assistants										
23-2091	Detailed	Court Reporters										
23-2092	Detailed	Law Clerks										
23-2093	Detailed	Title Examiners, Abstractors, and Searchers										
23-2099	Detailed	Legal Support Workers, All Other										
25-1011	Detailed	Business Teachers, Postsecondary										
25-1021	Detailed	Computer Science Teachers, Postsecondary										
25-1022	Detailed	Mathematical Science Teachers, Postsecondary										
25-1031	Detailed	Architecture Teachers, Postsecondary								X		Teach "green" (e.g., LEED) concepts and applications.
25-1032	Detailed	Engineering Teachers, Postsecondary								X		Teach "green" (e.g., LEED) concepts and applications.
25-1041	Detailed	Agricultural Sciences Teachers, Postsecondary								X		Teach "green" (e.g., sustainable farming) concepts and applications.
25-1042	Detailed	Biological Science Teachers, Postsecondary										
25-1043	Detailed	Forestry and Conservation Science Teachers, Postsecondary								X		
25-1051	Detailed	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary								X		
25-1052	Detailed	Chemistry Teachers, Postsecondary										
25-1053	Detailed	Environmental Science Teachers, Postsecondary								X		
25-1054	Detailed	Physics Teachers, Postsecondary										
25-1061	Detailed	Anthropology and Archeology Teachers, Postsecondary										
25-1062	Detailed	Area, Ethnic, and Cultural Studies Teachers, Postsecondary										
25-1063	Detailed	Economics Teachers, Postsecondary										
25-1064	Detailed	Geography Teachers, Postsecondary										
25-1065	Detailed	Political Science Teachers, Postsecondary										

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25-1066	Detailed	Psychology Teachers, Postsecondary										
25-1067	Detailed	Sociology Teachers, Postsecondary										
25-1069	Detailed	Social Sciences Teachers, Postsecondary, All Other										
25-1071	Detailed	Health Specialties Teachers, Postsecondary										
25-1072	Detailed	Nursing Instructors and Teachers, Postsecondary										
25-1081	Detailed	Education Teachers, Postsecondary										
25-1082	Detailed	Library Science Teachers, Postsecondary										
25-1111	Detailed	Criminal Justice and Law Enforcement Teachers, Postsecondary										
25-1112	Detailed	Law Teachers, Postsecondary										
25-1113	Detailed	Social Work Teachers, Postsecondary										
25-1121	Detailed	Art, Drama, and Music Teachers, Postsecondary										
25-1122	Detailed	Communications Teachers, Postsecondary										
25-1123	Detailed	English Language and Literature Teachers, Postsecondary										
25-1124	Detailed	Foreign Language and Literature Teachers, Postsecondary										
25-1125	Detailed	History Teachers, Postsecondary										
25-1126	Detailed	Philosophy and Religion Teachers, Postsecondary										
25-1191	Detailed	Graduate Teaching Assistants										
25-1192	Detailed	Home Economics Teachers, Postsecondary										
25-1193	Detailed	Recreation and Fitness Studies Teachers, Postsecondary										
25-1194	Detailed	Vocational Education Teachers, Postsecondary										
25-1199	Detailed	Postsecondary Teachers, All Other										
25-2011	Detailed	Preschool Teachers, Except Special Education										
25-2012	Detailed	Kindergarten Teachers, Except Special Education										
25-2021	Detailed	Elementary School Teachers, Except Special Education										
25-2022	Detailed	Middle School Teachers, Except Special and Vocational Education										
25-2023	Detailed	Vocational Education Teachers, Middle School										
25-2031	Detailed	Secondary School Teachers, Except Special and Vocational Education										
25-2032	Detailed	Vocational Education Teachers, Secondary School								X		Instruction of electrical circuits, environmental science, etc.

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25-2041	Detailed	Special Education Teachers, Preschool, Kindergarten, and Elementary School										
25-2042	Detailed	Special Education Teachers, Middle School										
25-2043	Detailed	Special Education Teachers, Secondary School										
25-3011	Detailed	Adult Literacy, Remedial Education, and GED Teachers and Instructors										
25-3021	Detailed	Self-Enrichment Education Teachers										
25-3099	Detailed	Teachers and Instructors, All Other										
25-4011	Detailed	Archivists										
25-4012	Detailed	Curators										
25-4013	Detailed	Museum Technicians and Conservators										
25-4021	Detailed	Librarians										
25-4031	Detailed	Library Technicians										
25-9011	Detailed	Audio-Visual Collections Specialists										
25-9021	Detailed	Farm and Home Management Advisors								X		Some do energy audits of farms.
25-9031	Detailed	Instructional Coordinators										
25-9041	Detailed	Teacher Assistants										
25-9099	Detailed	Education, Training, and Library Workers, All Other										
27-1011	Detailed	Art Directors										
27-1012	Detailed	Craft Artists										
27-1013	Detailed	Fine Artists, Including Painters, Sculptors, and Illustrators										
27-1014	Detailed	Multi-Media Artists and Animators										
27-1019	Detailed	Artists and Related Workers, All Other										
27-1021	Detailed	Commercial and Industrial Designers										
27-1022	Detailed	Fashion Designers										
27-1023	Detailed	Floral Designers										
27-1024	Detailed	Graphic Designers										
27-1025	Detailed	Interior Designers										
27-1026	Detailed	Merchandise Displayers and Window Trimmers										
27-1027	Detailed	Set and Exhibit Designers										
27-1029	Detailed	Designers, All Other										
27-2011	Detailed	Actors										
27-2012	Detailed	Producers and Directors										
27-2021	Detailed	Athletes and Sports Competitors										
27-2022	Detailed	Coaches and Scouts										
27-2023	Detailed	Umpires, Referees, and Other Sports Officials										
27-2031	Detailed	Dancers										
27-2032	Detailed	Choreographers										
27-2041	Detailed	Music Directors and Composers										
27-2042	Detailed	Musicians and Singers										
27-2099	Detailed	Entertainers and Performers, Sports and Related Workers, All Other										

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27-3011	Detailed	Radio and Television Announcers										
27-3012	Detailed	Public Address System and Other Announcers										
27-3021	Detailed	Broadcast News Analysts										
27-3022	Detailed	Reporters and Correspondents										
27-3031	Detailed	Public Relations Specialists								X		Green only if involved in activities to increase public awareness relating to green activities and policies.
27-3041	Detailed	Editors										
27-3042	Detailed	Technical Writers								X		Green only if involved with writing training manuals or materials for green or environmental workers.
27-3043	Detailed	Writers and Authors										
27-3091	Detailed	Interpreters and Translators										
27-3099	Detailed	Media and Communication Workers, All Other										
27-4011	Detailed	Audio and Video Equipment Technicians										
27-4012	Detailed	Broadcast Technicians										
27-4013	Detailed	Radio Operators										
27-4014	Detailed	Sound Engineering Technicians										
27-4021	Detailed	Photographers										
27-4031	Detailed	Camera Operators, Television, Video, and Motion Picture										
27-4032	Detailed	Film and Video Editors										
27-4099	Detailed	Media and Communication Equipment Workers, All Other										
29-1011	Detailed	Chiropractors										
29-1021	Detailed	Dentists, General										
29-1022	Detailed	Oral and Maxillofacial Surgeons										
29-1023	Detailed	Orthodontists										
29-1024	Detailed	Prosthodontists										
29-1029	Detailed	Dentists, All Other Specialists										
29-1031	Detailed	Dietitians and Nutritionists										
29-1041	Detailed	Optometrists										
29-1051	Detailed	Pharmacists										
29-1061	Detailed	Anesthesiologists										
29-1062	Detailed	Family and General Practitioners										
29-1063	Detailed	Internists, General										
29-1064	Detailed	Obstetricians and Gynecologists										
29-1065	Detailed	Pediatricians, General										
29-1066	Detailed	Psychiatrists										
29-1067	Detailed	Surgeons										
29-1069	Detailed	Physicians and Surgeons, All Other										
29-1071	Detailed	Physician Assistants										
29-1081	Detailed	Podiatrists										
29-1111	Detailed	Registered Nurses										
29-1121	Detailed	Audiologists										
29-1122	Detailed	Occupational Therapists										
29-1123	Detailed	Physical Therapists										
29-1124	Detailed	Radiation Therapists										
29-1125	Detailed	Recreational Therapists										

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29-1126	Detailed	Respiratory Therapists										
29-1127	Detailed	Speech-Language Pathologists										
29-1129	Detailed	Therapists, All Other										
29-1131	Detailed	Veterinarians										
29-1199	Detailed	Health Diagnosing and Treating Practitioners, All Other										
29-2011	Detailed	Medical and Clinical Laboratory Technologists										
29-2012	Detailed	Medical and Clinical Laboratory Technicians										
29-2021	Detailed	Dental Hygienists										
29-2031	Detailed	Cardiovascular Technologists and Technicians										
29-2032	Detailed	Diagnostic Medical Sonographers										
29-2033	Detailed	Nuclear Medicine Technologists										
29-2034	Detailed	Radiologic Technologists and Technicians										
29-2041	Detailed	Emergency Medical Technicians and Paramedics										
29-2051	Detailed	Dietetic Technicians										
29-2052	Detailed	Pharmacy Technicians										
29-2053	Detailed	Psychiatric Technicians										
29-2054	Detailed	Respiratory Therapy Technicians										
29-2055	Detailed	Surgical Technologists										
29-2056	Detailed	Veterinary Technologists and Technicians										
29-2061	Detailed	Licensed Practical and Licensed Vocational Nurses										
29-2071	Detailed	Medical Records and Health Information Technicians										
29-2081	Detailed	Opticians, Dispensing										
29-2091	Detailed	Orthotists and Prosthetists										
29-2099	Detailed	Health Technologists and Technicians, All Other										
29-9011	Detailed	Occupational Health and Safety Specialists										
29-9012	Detailed	Occupational Health and Safety Technicians										
29-9091	Detailed	Athletic Trainers										
29-9099	Detailed	Healthcare Practitioners and Technical Workers, All Other										
31-1011	Detailed	Home Health Aides										
31-1012	Detailed	Nursing Aides, Orderlies, and Attendants										
31-1013	Detailed	Psychiatric Aides										
31-2011	Detailed	Occupational Therapist Assistants										
31-2012	Detailed	Occupational Therapist Aides										
31-2021	Detailed	Physical Therapist Assistants										
31-2022	Detailed	Physical Therapist Aides										
31-9011	Detailed	Massage Therapists										
31-9091	Detailed	Dental Assistants										
31-9092	Detailed	Medical Assistants										

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Code	Level	Title	Renewable energy except nuclear	Nuclear energy	Energy Efficiency and conservation	Greenhouse gas reduction	Pollution abatement, hazardous waste removal	Recycling and waste reduction	Bioscience and agriculture	Education, compliance, public awareness, training	Other green activity	Rationale
31-9093	Detailed	Medical Equipment Preparers										
31-9094	Detailed	Medical Transcriptionists										
31-9095	Detailed	Pharmacy Aides										
31-9096	Detailed	Veterinary Assistants and Laboratory Animal Caretakers										
31-9099	Detailed	Healthcare Support Workers, All Other										
33-1011	Detailed	First-Line Supervisors/Managers of Correctional Officers										
33-1012	Detailed	First-Line Supervisors/Managers of Police and Detectives										
33-1021	Detailed	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers										
33-1099	Detailed	First-Line Supervisors/Managers, Protective Service Workers, All Other										
33-2011	Detailed	Fire Fighters										
33-2021	Detailed	Fire Inspectors and Investigators										
33-2022	Detailed	Forest Fire Inspectors and Prevention Specialists										
33-3011	Detailed	Bailiffs										
33-3012	Detailed	Correctional Officers and Jailers										
33-3021	Detailed	Detectives and Criminal Investigators										
33-3031	Detailed	Fish and Game Wardens										
33-3041	Detailed	Parking Enforcement Workers										
33-3051	Detailed	Police and Sheriff's Patrol Officers										
33-3052	Detailed	Transit and Railroad Police										
33-9011	Detailed	Animal Control Workers										
33-9021	Detailed	Private Detectives and Investigators										
33-9031	Detailed	Gaming Surveillance Officers and Gaming Investigators										
33-9032	Detailed	Security Guards										
33-9091	Detailed	Crossing Guards										
33-9092	Detailed	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers										
33-9099	Detailed	Protective Service Workers, All Other										
35-1011	Detailed	Chefs and Head Cooks										
35-1012	Detailed	First-Line Supervisors/Managers of Food Preparation and Serving Workers										
35-2011	Detailed	Cooks, Fast Food										
35-2012	Detailed	Cooks, Institution and Cafeteria										
35-2013	Detailed	Cooks, Private Household										
35-2014	Detailed	Cooks, Restaurant										
35-2015	Detailed	Cooks, Short Order										
35-2019	Detailed	Cooks, All Other										
35-2021	Detailed	Food Preparation Workers										
35-3011	Detailed	Bartenders										

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35-3021	Detailed	Combined Food Preparation and Serving Workers, Including Fast Food										
35-3022	Detailed	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop										
35-3031	Detailed	Waiters and Waitresses										
35-3041	Detailed	Food Servers, Nonrestaurant										
35-9011	Detailed	Dining Room and Cafeteria Attendants and Bartender Helpers										
35-9021	Detailed	Dishwashers										
35-9031	Detailed	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop										
35-9099	Detailed	Food Preparation and Serving Related Workers, All Other										
37-1011	Detailed	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers										
37-1012	Detailed	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers										
37-2011	Detailed	Janitors and Cleaners, Except Maids and Housekeeping Cleaners										
37-2012	Detailed	Maids and Housekeeping Cleaners										
37-2019	Detailed	Building Cleaning Workers, All Other										
37-2021	Detailed	Pest Control Workers										
37-3011	Detailed	Landscaping and Groundskeeping Workers										
37-3012	Detailed	Pesticide Handlers, Sprayers, and Applicators, Vegetation										
37-3013	Detailed	Tree Trimmers and Pruners										
37-3019	Detailed	Grounds Maintenance Workers, All Other										
39-1011	Detailed	Gaming Supervisors										
39-1012	Detailed	Slot Key Persons										
39-1021	Detailed	First-Line Supervisors/Managers of Personal Service Workers										
39-2011	Detailed	Animal Trainers										
39-2021	Detailed	Nonfarm Animal Caretakers										
39-3011	Detailed	Gaming Dealers										
39-3012	Detailed	Gaming and Sports Book Writers and Runners										
39-3019	Detailed	Gaming Service Workers, All Other										
39-3021	Detailed	Motion Picture Projectionists										
39-3031	Detailed	Ushers, Lobby Attendants, and Ticket Takers										
39-3091	Detailed	Amusement and Recreation Attendants										
39-3092	Detailed	Costume Attendants										
39-3093	Detailed	Locker Room, Coatroom, and Dressing Room Attendants										
39-3099	Detailed	Entertainment Attendants and Related Workers, All Other										

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39-4011	Detailed	Embalmers										
39-4021	Detailed	Funeral Attendants										
39-5011	Detailed	Barbers										
39-5012	Detailed	Hairdressers, Hairstylists, and Cosmetologists										
39-5091	Detailed	Makeup Artists, Theatrical and Performance										
39-5092	Detailed	Manicurists and Pedicurists										
39-5093	Detailed	Shampooers										
39-5094	Detailed	Skin Care Specialists										
39-6011	Detailed	Baggage Porters and Bellhops										
39-6012	Detailed	Concierges										
39-6021	Detailed	Tour Guides and Escorts										
39-6022	Detailed	Travel Guides										
39-6031	Detailed	Flight Attendants										
39-6032	Detailed	Transportation Attendants, Except Flight Attendants and Baggage Porters										
39-9011	Detailed	Child Care Workers										
39-9021	Detailed	Personal and Home Care Aides										
39-9031	Detailed	Fitness Trainers and Aerobics Instructors										
39-9032	Detailed	Recreation Workers										
39-9041	Detailed	Residential Advisors										
39-9099	Detailed	Personal Care and Service Workers, All Other										
41-1011	Detailed	First-Line Supervisors/Managers of Retail Sales Workers										
41-1012	Detailed	First-Line Supervisors/Managers of Non-Retail Sales Workers										
41-2011	Detailed	Cashiers										
41-2012	Detailed	Gaming Change Persons and Booth Cashiers										
41-2021	Detailed	Counter and Rental Clerks										
41-2022	Detailed	Parts Salespersons										
41-2031	Detailed	Retail Salespersons										
41-3011	Detailed	Advertising Sales Agents										
41-3021	Detailed	Insurance Sales Agents										
41-3031	Detailed	Securities, Commodities, and Financial Services Sales Agents										
41-3041	Detailed	Travel Agents										
41-3099	Detailed	Sales Representatives, Services, All Other										
41-4011	Detailed	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	X		X	X			X			Many "green" studies and reports include wholesale and mfg. sales reps in their list of occupations. California does not include sales in its definition of the green economy.
41-4012	Detailed	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products										

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41-9011	Detailed	Demonstrators and Product Promoters										
41-9012	Detailed	Models										
41-9021	Detailed	Real Estate Brokers										
41-9022	Detailed	Real Estate Sales Agents										
41-9031	Detailed	Sales Engineers										
41-9041	Detailed	Telemarketers										
41-9091	Detailed	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers										
41-9099	Detailed	Sales and Related Workers, All Other										
43-1011	Detailed	First-Line Supervisors/Managers of Office and Administrative Support Workers										
43-2011	Detailed	Switchboard Operators, Including Answering Service										
43-2021	Detailed	Telephone Operators										
43-2099	Detailed	Communications Equipment Operators, All Other										
43-3011	Detailed	Bill and Account Collectors										
43-3021	Detailed	Billing and Posting Clerks and Machine Operators										
43-3031	Detailed	Bookkeeping, Accounting, and Auditing Clerks										
43-3041	Detailed	Gaming Cage Workers										
43-3051	Detailed	Payroll and Timekeeping Clerks										
43-3061	Detailed	Procurement Clerks										
43-3071	Detailed	Tellers										
43-4011	Detailed	Brokerage Clerks										
43-4021	Detailed	Correspondence Clerks										
43-4031	Detailed	Court, Municipal, and License Clerks										
43-4041	Detailed	Credit Authorizers, Checkers, and Clerks										
43-4051	Detailed	Customer Service Representatives										
43-4061	Detailed	Eligibility Interviewers, Government Programs										
43-4071	Detailed	File Clerks										
43-4081	Detailed	Hotel, Motel, and Resort Desk Clerks										
43-4111	Detailed	Interviewers, Except Eligibility and Loan										
43-4121	Detailed	Library Assistants, Clerical										
43-4131	Detailed	Loan Interviewers and Clerks										
43-4141	Detailed	New Accounts Clerks										
43-4151	Detailed	Order Clerks										
43-4161	Detailed	Human Resources Assistants, Except Payroll and Timekeeping										
43-4171	Detailed	Receptionists and Information Clerks										
43-4181	Detailed	Reservation and Transportation Ticket Agents and Travel Clerks										

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43-4199	Detailed	Information and Record Clerks, All Other										
43-5011	Detailed	Cargo and Freight Agents										
43-5021	Detailed	Couriers and Messengers										
43-5031	Detailed	Police, Fire, and Ambulance Dispatchers										
43-5032	Detailed	Dispatchers, Except Police, Fire, and Ambulance										
43-5041	Detailed	Meter Readers, Utilities										
43-5051	Detailed	Postal Service Clerks										
43-5052	Detailed	Postal Service Mail Carriers										
43-5053	Detailed	Postal Service Mail Sorters, Processors, and Processing Machine Operators										
43-5061	Detailed	Production, Planning, and Expediting Clerks										
43-5071	Detailed	Shipping, Receiving, and Traffic Clerks										
43-5081	Detailed	Stock Clerks and Order Fillers										
43-5111	Detailed	Weighers, Measurers, Checkers, and Samplers, Recordkeeping										
43-6011	Detailed	Executive Secretaries and Administrative Assistants										
43-6012	Detailed	Legal Secretaries										
43-6013	Detailed	Medical Secretaries										
43-6014	Detailed	Secretaries, Except Legal, Medical, and Executive										
43-9011	Detailed	Computer Operators										
43-9021	Detailed	Data Entry Keyers										
43-9022	Detailed	Word Processors and Typists										
43-9031	Detailed	Desktop Publishers										
43-9041	Detailed	Insurance Claims and Policy Processing Clerks										
43-9051	Detailed	Mail Clerks and Mail Machine Operators, Except Postal Service										
43-9061	Detailed	Office Clerks, General										
43-9071	Detailed	Office Machine Operators, Except Computer										
43-9081	Detailed	Proofreaders and Copy Markers										
43-9111	Detailed	Statistical Assistants										
43-9199	Detailed	Office and Administrative Support Workers, All Other										
45-1011	Detailed	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	X						X			Train and supervise farmworkers and forestry workers in sustainable farming or forestry work (includes biomass collection)
45-1012	Detailed	Farm Labor Contractors										
45-2011	Detailed	Agricultural Inspectors								X		Green only if involved with ensuring compliance with green regulations and laws.
45-2021	Detailed	Animal Breeders										

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45-2041	Detailed	Graders and Sorters, Agricultural Products										
45-2091	Detailed	Agricultural Equipment Operators										
45-2092	Detailed	Farmworkers and Laborers, Crop, Nursery, and Greenhouse							X			Green if involved in green activities such as using environmentally friendly pesticides or natural products such as ladybugs etc.
45-2093	Detailed	Farmworkers, Farm and Ranch Animals							X			Green if involved in green activities such as sustainable farming, or biomass collection, etc.
45-2099	Detailed	Agricultural Workers, All Other										
45-3011	Detailed	Fishers and Related Fishing Workers							X			Green if involved in green activities such as conservation or breeding programs to protect the species, etc.
45-3021	Detailed	Hunters and Trappers										
45-4011	Detailed	Forest and Conservation Workers							X			Perform manual labor to develop, maintain or protect the forests by combating insects, pests, and diseases harmful to trees.
45-4021	Detailed	Fallers										
45-4022	Detailed	Logging Equipment Operators										
45-4023	Detailed	Log Graders and Scalers										
45-4029	Detailed	Logging Workers, All Other										
47-1011	Detailed	First-Line Supervisors/Managers of Construction Trades and Extraction Workers			X		X					This occupation is green only if involved with green activities such as building LEED certified structures, or using green materials.
47-2011	Detailed	Boilermakers										
47-2021	Detailed	Brickmasons and Blockmasons			X							This occupation is green only if involved with green activities such as building LEED certified structures, or using green materials.
47-2022	Detailed	Stonemasons			X							This occupation is green only if involved with green activities such as building LEED certified structures, or using green materials.
47-2031	Detailed	Carpenters			X							This occupation is green only if involved with green activities such as building LEED certified structures, or using green materials.
47-2041	Detailed	Carpet Installers			X							This occupation is green only if using green materials such as carpets made of recycled materials.
47-2042	Detailed	Floor Layers, Except Carpet, Wood, and Hard Tiles										
47-2043	Detailed	Floor Sanders and Finishers										
47-2044	Detailed	Tile and Marble Setters										
47-2051	Detailed	Cement Masons and Concrete Finishers			X							This occupation is green only if involved with green activities such as building LEED certified structures, or using green materials.
47-2053	Detailed	Terrazzo Workers and Finishers										

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47-2061	Detailed	Construction Laborers			X							Green-only if involved with green activities such as building LEED certified structures, or using green materials.
47-2071	Detailed	Paving, Surfacing, and Tamping Equipment Operators										
47-2072	Detailed	Pile-Driver Operators										
47-2073	Detailed	Operating Engineers and Other Construction Equipment Operators			X							
47-2081	Detailed	Drywall and Ceiling Tile Installers			X							Green-only if involved with green activities such as building LEED certified structures, or using green materials.
47-2082	Detailed	Tapers			X							Green-only if involved with green activities such as building LEED certified structures, or using green materials.
47-2111	Detailed	Electricians			X							May install solar electric systems. (Otherwise, green only if involved with green activities such as building LEED certified structures, or using green materials.)
47-2121	Detailed	Glaziers			X							Green-only if involved with green activities such as building LEED certified structures, or using green materials.
47-2131	Detailed	Insulation Workers, Floor, Ceiling, and Wall			X							Also called Weatherization Workers: line and cover structures with insulating materials.
47-2132	Detailed	Insulation Workers, Mechanical			X							Also called Weatherization Workers: line and cover structures with insulating materials.
47-2141	Detailed	Painters, Construction and Maintenance			X							Green-only if involved with green activities such as building LEED certified structures, or using green materials.
47-2142	Detailed	Paperhangers										
47-2151	Detailed	Pipelayers			X							Green-only if involved with green activities such as building LEED certified structures, or using green materials.
47-2152	Detailed	Plumbers, Pipefitters, and Steamfitters			X							Install solar hot water and pool heating systems, and tankless hot water heaters.
47-2161	Detailed	Plasterers and Stucco Masons			X							Green-only if involved with green activities such as building LEED certified structures, or using green materials.
47-2171	Detailed	Reinforcing Iron and Rebar Workers			X							
47-2181	Detailed	Roofers			X							Install rooftop solar panels and electric systems.

Blue shaded rows are occupations identified and included in California's "Green Jobs Survey"

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47-2211	Detailed	Sheet Metal Workers			X							Green-if involved with green activities such as installing sheet metal ducts used for energy efficient heating and air conditioning systems.
47-2221	Detailed	Structural Iron and Steel Workers			X							Green-only if involved with green activities such as building LEED certified structures.
47-3011	Detailed	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters			X							
47-3012	Detailed	Helpers--Carpenters			X							
47-3013	Detailed	Helpers--Electricians			X							
47-3014	Detailed	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons										
47-3015	Detailed	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters			X							
47-3016	Detailed	Helpers--Roofers			X							
47-3019	Detailed	Helpers, Construction Trades, All Other										
47-4011	Detailed	Construction and Building Inspectors			X					X		Inspect structures using engineering skills to determine structural soundness and compliance with specification and California's "green" building codes.
47-4021	Detailed	Elevator Installers and Repairers										
47-4031	Detailed	Fence Erectors										
47-4041	Detailed	Hazardous Materials Removal Workers			X		X					Identify, remove, pack, transport, or dispose of hazardous materials such as asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, and contaminated soil, etc.
47-4051	Detailed	Highway Maintenance Workers										
47-4061	Detailed	Rail-Track Laying and Maintenance Equipment Operators			X	X						Green-if involved with green activities such as developing mass transit systems. Lay, repair, and maintain track for standard or narrow-gauge railroad equipment used in regular railroad service or in plant yards, quarries, sand and gravel pits, and mines.
47-4071	Detailed	Septic Tank Servicers and Sewer Pipe Cleaners			X							
47-4091	Detailed	Segmental Pavers			X							Green if involved in green activities such as building LEED certified structures.
47-4099	Detailed	Construction and Related Workers, All Other										
47-5011	Detailed	Derrick Operators, Oil and Gas										
47-5012	Detailed	Rotary Drill Operators, Oil and Gas										
47-5013	Detailed	Service Unit Operators, Oil, Gas, and Mining										
47-5021	Detailed	Earth Drillers, Except Oil and Gas										

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47-5031	Detailed	Explosives Workers, Ordnance Handling Experts, and Blasters										
47-5041	Detailed	Continuous Mining Machine Operators										
47-5042	Detailed	Mine Cutting and Channeling Machine Operators										
47-5049	Detailed	Mining Machine Operators, All Other										
47-5051	Detailed	Rock Splitters, Quarry										
47-5061	Detailed	Roof Bolters, Mining										
47-5071	Detailed	Roustabouts, Oil and Gas										
47-5081	Detailed	Helpers--Extraction Workers										
47-5099	Detailed	Extraction Workers, All Other										
49-1011	Detailed	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers			X							This occupation is green only if involved with green activities such as repairing or installing items in LEED certified structures, or using green materials.
49-2011	Detailed	Computer, Automated Teller, and Office Machine Repairers										
49-2021	Detailed	Radio Mechanics										
49-2022	Detailed	Telecommunications Equipment Installers and Repairers, Except Line Installers										
49-2091	Detailed	Avionics Technicians										
49-2092	Detailed	Electric Motor, Power Tool, and Related Repairers			X							
49-2093	Detailed	Electrical and Electronics Installers and Repairers, Transportation Equipment			X							Install, adjust, or maintain mobile electronics communication equipment, including sound, security, and navigation systems on trains.
49-2094	Detailed	Electrical and Electronics Repairers, Commercial and Industrial Equipment			X							Green if involved in green activities such as repairing wind turbines or solar panels.
49-2095	Detailed	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay			X							Inspect, test, repair, or maintain electrical equipment in generating stations, substations, and in-service relays.
49-2096	Detailed	Electronic Equipment Installers and Repairers, Motor Vehicles				X						Green if servicing is performed on alternative fuel vehicles such as hybrid, electric, or hydrogen fuel vehicles.
49-2097	Detailed	Electronic Home Entertainment Equipment Installers and Repairers										
49-2098	Detailed	Security and Fire Alarm Systems Installers										
49-3011	Detailed	Aircraft Mechanics and Service Technicians										
49-3021	Detailed	Automotive Body and Related Repairers										
49-3022	Detailed	Automotive Glass Installers and Repairers										

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49-3023	Detailed	Automotive Service Technicians and Mechanics				X						Green tinged if working as Alternative Fuel Vehicle Technicians performing advanced electrical and mechanical troubleshooting on hybrid, electric, hydrogen, and other alternative fuel vehicles.
49-3031	Detailed	Bus and Truck Mechanics and Diesel Engine Specialists				X						Green tinged if working as Alternative Fuel Vehicle Technicians performing advanced electrical and mechanical troubleshooting on hybrid, electric, hydrogen, and other alternative fuel vehicles.
49-3041	Detailed	Farm Equipment Mechanics				X						Green tinged if performing advanced electrical and mechanical troubleshooting on hybrid, electric, hydrogen, and other alternative fuel vehicles.
49-3042	Detailed	Mobile Heavy Equipment Mechanics, Except Engines			X							Green tinged only if work is performed on a potential LEED building construction site.
49-3043	Detailed	Rail Car Repairers				X						
49-3051	Detailed	Motorboat Mechanics										
49-3052	Detailed	Motorcycle Mechanics										
49-3053	Detailed	Outdoor Power Equipment and Other Small Engine Mechanics										
49-3091	Detailed	Bicycle Repairers				X						
49-3092	Detailed	Recreational Vehicle Service Technicians										
49-3093	Detailed	Tire Repairers and Changers										
49-9011	Detailed	Mechanical Door Repairers										
49-9012	Detailed	Control and Valve Installers and Repairers, Except Mechanical Door			X							May be considered green by contributing to energy efficiency by installing, repairing, and maintaining regulating and controlling devices, such as electric meters, gas regulators, thermostats, safety and flow valves.
49-9021	Detailed	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	X		X							Involved in green activities when installing, servicing, and repairing energy efficient geothermal or solar heating and air conditioning systems in residences and commercial establishments.
49-9031	Detailed	Home Appliance Repairers										
49-9041	Detailed	Industrial Machinery Mechanics			X							Green tinged if involved in green activities such as building and servicing wind turbines.
49-9042	Detailed	Maintenance and Repair Workers, General			X							This occupation is green if involved with green activities such as repairing or installing items in LEED certified structures, or using green materials.
49-9043	Detailed	Maintenance Workers, Machinery										
49-9044	Detailed	Millwrights										

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49-9045	Detailed	Refractory Materials Repairers, Except Brickmasons										
49-9051	Detailed	Electrical Power-Line Installers and Repairers			X							Install or repair cables or wires used in electrical power or distribution systems.
49-9052	Detailed	Telecommunications Line Installers and Repairers										
49-9061	Detailed	Camera and Photographic Equipment Repairers										
49-9062	Detailed	Medical Equipment Repairers										
49-9063	Detailed	Musical Instrument Repairers and Tuners										
49-9064	Detailed	Watch Repairers										
49-9069	Detailed	Precision Instrument and Equipment Repairers, All Other										
49-9091	Detailed	Coin, Vending, and Amusement Machine Servicers and Repairers										
49-9092	Detailed	Commercial Divers										
49-9093	Detailed	Fabric Menders, Except Garment										
49-9094	Detailed	Locksmiths and Safe Repairers										
49-9095	Detailed	Manufactured Building and Mobile Home Installers										
49-9096	Detailed	Riggers										
49-9097	Detailed	Signal and Track Switch Repairers				X						
49-9098	Detailed	Helpers--Installation, Maintenance, and Repair Workers			X							Green tinged only if work is performed on a potential LEED building construction site, or repair, or installation work is completed on wind turbine or solar panel equipment.
49-9099	Detailed	Installation, Maintenance, and Repair Workers, All Other										
51-1011	Detailed	First-Line Supervisors/Managers of Production and Operating Workers										
51-2011	Detailed	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers										
51-2021	Detailed	Coil Winders, Tapers, and Finishers										
51-2022	Detailed	Electrical and Electronic Equipment Assemblers	X		X	X		X				Green report, <i>Clean Technology Workforce Challenges and Opportunities</i> cites this occupation
51-2023	Detailed	Electromechanical Equipment Assemblers	X		X	X		X				Clean Technology Workforce Challenges and Opportunities
51-2031	Detailed	Engine and Other Machine Assemblers	X					X				Alternative engine and turbine assembly
51-2041	Detailed	Structural Metal Fabricators and Fitters										
51-2091	Detailed	Fiberglass Laminators and Fabricators										
51-2092	Detailed	Team Assemblers	X		X	X		X				Assembling wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc.
51-2093	Detailed	Timing Device Assemblers, Adjusters, and Calibrators										

Blue shaded rows are occupations identified and included in California's "Green Jobs Survey"

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51-2099	Detailed	Assemblers and Fabricators, All Other										
51-3011	Detailed	Bakers										
51-3021	Detailed	Butchers and Meat Cutters										
51-3022	Detailed	Meat, Poultry, and Fish Cutters and Trimmers										
51-3023	Detailed	Slaughterers and Meat Packers										
51-3091	Detailed	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders										
51-3092	Detailed	Food Batchmakers										
51-3093	Detailed	Food Cooking Machine Operators and Tenders										
51-4011	Detailed	Computer-Controlled Machine Tool Operators, Metal and Plastic	X		X	X	X					Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4012	Detailed	Numerical Tool and Process Control Programmers	X		X	X	X					Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4021	Detailed	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	X		X	X	X					Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4022	Detailed	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	X		X	X	X					Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4023	Detailed	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	X		X	X	X					Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4031	Detailed	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	X		X	X	X					Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.

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51-4032	Detailed	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	X		X	X	X					Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4033	Detailed	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	X		X	X	X					Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4034	Detailed	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	X		X	X	X					Manufacturing parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc.
51-4035	Detailed	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic										
51-4041	Detailed	Machinists	X		X	X	X					Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4051	Detailed	Metal-Refining Furnace Operators and Tenders										
51-4052	Detailed	Pourers and Casters, Metal										
51-4061	Detailed	Model Makers, Metal and Plastic										
51-4062	Detailed	Patternmakers, Metal and Plastic										
51-4071	Detailed	Foundry Mold and Coremakers										
51-4072	Detailed	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic										
51-4081	Detailed	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic										
51-4111	Detailed	Tool and Die Makers	X		X							Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4121	Detailed	Welders, Cutters, Solderers, and Brazers	X		X							Work on alternative energy installations, green building projects, energy efficient equipment production and installation.
51-4122	Detailed	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	X		X							Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.

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51-4191	Detailed	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	X		X							Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4192	Detailed	Lay-Out Workers, Metal and Plastic	X		X							Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4193	Detailed	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	X		X							Possibly needed to Manufacture parts for wind turbines, solar panels, alternative fuel vehicles, pollution abatement devices, etc. Unknown if these parts will be made overseas or domestically.
51-4194	Detailed	Tool Grinders, Filers, and Sharpeners										
51-4199	Detailed	Metal Workers and Plastic Workers, All Other										
51-5011	Detailed	Bindery Workers										
51-5012	Detailed	Bookbinders										
51-5021	Detailed	Job Printers										
51-5022	Detailed	Prepress Technicians and Workers										
51-5023	Detailed	Printing Machine Operators										
51-6011	Detailed	Laundry and Dry-Cleaning Workers										
51-6021	Detailed	Pressers, Textile, Garment, and Related Materials										
51-6031	Detailed	Sewing Machine Operators										
51-6041	Detailed	Shoe and Leather Workers and Repairers										
51-6042	Detailed	Shoe Machine Operators and Tenders										
51-6051	Detailed	Sewers, Hand										
51-6052	Detailed	Tailors, Dressmakers, and Custom Sewers										
51-6061	Detailed	Textile Bleaching and Dyeing Machine Operators and Tenders										
51-6062	Detailed	Textile Cutting Machine Setters, Operators, and Tenders										
51-6063	Detailed	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Detailed	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders										
51-6091	Detailed	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers										
51-6092	Detailed	Fabric and Apparel Patternmakers										

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51-6093	Detailed	Upholsterers										
51-6099	Detailed	Textile, Apparel, and Furnishings Workers, All Other										
51-7011	Detailed	Cabinetmakers and Bench Carpenters										
51-7021	Detailed	Furniture Finishers										
51-7031	Detailed	Model Makers, Wood										
51-7032	Detailed	Patternmakers, Wood										
51-7041	Detailed	Sawing Machine Setters, Operators, and Tenders, Wood										
51-7042	Detailed	Woodworking Machine Setters, Operators, and Tenders, Except Sawing										
51-7099	Detailed	Woodworkers, All Other										
51-8011	Detailed	Nuclear Power Reactor Operators		X								California does not include nuclear power in green industry definition.
51-8012	Detailed	Power Distributors and Dispatchers	X									
51-8013	Detailed	Power Plant Operators	X									Hydroelectric (Calif. Does not include this in its "green economy" definition, but many other states do.
51-8021	Detailed	Stationary Engineers and Boiler Operators										
51-8031	Detailed	Water and Liquid Waste Treatment Plant and System Operators						X				
51-8091	Detailed	Chemical Plant and System Operators										
51-8092	Detailed	Gas Plant Operators										
51-8093	Detailed	Petroleum Pump System Operators, Refinery Operators, and Gaugers										
51-8099	Detailed	Plant and System Operators, All Other										
51-9011	Detailed	Chemical Equipment Operators and Tenders		X								
51-9012	Detailed	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders										
51-9021	Detailed	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders										
51-9022	Detailed	Grinding and Polishing Workers, Hand										
51-9023	Detailed	Mixing and Blending Machine Setters, Operators, and Tenders										
51-9031	Detailed	Cutters and Trimmers, Hand										
51-9032	Detailed	Cutting and Slicing Machine Setters, Operators, and Tenders										
51-9041	Detailed	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders										
51-9051	Detailed	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders										

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51-9061	Detailed	Inspectors, Testers, Sorters, Samplers, and Weighers	X		X	X	X	X				Needed to inspect and test new products and processes in renewable energy, energy efficiency, pollution-reducing equipment, etc.
51-9071	Detailed	Jewelers and Precious Stone and Metal Workers										
51-9081	Detailed	Dental Laboratory Technicians										
51-9082	Detailed	Medical Appliance Technicians										
51-9083	Detailed	Ophthalmic Laboratory Technicians										
51-9111	Detailed	Packaging and Filling Machine Operators and Tenders										
51-9121	Detailed	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders										
51-9122	Detailed	Painters, Transportation Equipment			X	X						Alternative fuel or fuel-efficient vehicle painting (new and maintenance)
51-9123	Detailed	Painting, Coating, and Decorating Workers										
51-9131	Detailed	Photographic Process Workers										
51-9132	Detailed	Photographic Processing Machine Operators										
51-9141	Detailed	Semiconductor Processors										
51-9191	Detailed	Cementing and Gluing Machine Operators and Tenders										
51-9192	Detailed	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders										
51-9193	Detailed	Cooling and Freezing Equipment Operators and Tenders										
51-9194	Detailed	Etchers and Engravers										
51-9195	Detailed	Molders, Shapers, and Casters, Except Metal and Plastic										
51-9196	Detailed	Paper Goods Machine Setters, Operators, and Tenders										
51-9197	Detailed	Tire Builders										
51-9198	Detailed	Helpers--Production Workers										
51-9199	Detailed	Production Workers, All Other										
53-1011	Detailed	Aircraft Cargo Handling Supervisors										
53-1021	Detailed	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand										
53-1031	Detailed	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators										
53-2011	Detailed	Airline Pilots, Copilots, and Flight Engineers										
53-2012	Detailed	Commercial Pilots										
53-2021	Detailed	Air Traffic Controllers										
53-2022	Detailed	Airfield Operations Specialists										
53-3011	Detailed	Ambulance Drivers and Attendants, Except Emergency Medical Technicians										

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53-3021	Detailed	Bus Drivers, Transit and Intercity										Bus driver tasks do not change because the vehicles are Green.
53-3022	Detailed	Bus Drivers, School										
53-3031	Detailed	Driver/Sales Workers										
53-3032	Detailed	Truck Drivers, Heavy and Tractor-Trailer										
53-3033	Detailed	Truck Drivers, Light or Delivery Services										
53-3041	Detailed	Taxi Drivers and Chauffeurs										
53-3099	Detailed	Motor Vehicle Operators, All Other										
53-4011	Detailed	Locomotive Engineers										
53-4012	Detailed	Locomotive Firers										
53-4013	Detailed	Rail Yard Engineers, Dinkey Operators, and Hostlers										
53-4021	Detailed	Railroad Brake, Signal, and Switch Operators										
53-4031	Detailed	Railroad Conductors and Yardmasters										
53-4041	Detailed	Subway and Streetcar Operators										
53-4099	Detailed	Rail Transportation Workers, All Other										
53-5011	Detailed	Sailors and Marine Oilers										
53-5021	Detailed	Captains, Mates, and Pilots of Water Vessels										
53-5022	Detailed	Motorboat Operators										
53-5031	Detailed	Ship Engineers										
53-6011	Detailed	Bridge and Lock Tenders										
53-6021	Detailed	Parking Lot Attendants										
53-6031	Detailed	Service Station Attendants				X						Pump hydrogen fuel or assist with charging at designated stations.
53-6041	Detailed	Traffic Technicians										
53-6051	Detailed	Transportation Inspectors										
53-6099	Detailed	Transportation Workers, All Other										
53-7011	Detailed	Conveyor Operators and Tenders										
53-7021	Detailed	Crane and Tower Operators	X		X							Several green studies cite this occupation.
53-7031	Detailed	Dredge Operators										
53-7032	Detailed	Excavating and Loading Machine and Dragline Operators										
53-7033	Detailed	Loading Machine Operators, Underground Mining										
53-7041	Detailed	Hoist and Winch Operators										
53-7051	Detailed	Industrial Truck and Tractor Operators	X		X							Tasks do not change in "green" businesses. However, demand may increase if green manufacturing is done domestically.
53-7061	Detailed	Cleaners of Vehicles and Equipment										
53-7062	Detailed	Laborers and Freight, Stock, and Material Movers, Hand										
53-7063	Detailed	Machine Feeders and Offbearers										
53-7064	Detailed	Packers and Packagers, Hand			X							

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53-7071	Detailed	Gas Compressor and Gas Pumping Station Operators										
53-7072	Detailed	Pump Operators, Except Wellhead Pumpers										
53-7073	Detailed	Wellhead Pumpers										
53-7081	Detailed	Refuse and Recyclable Material Collectors						X				
53-7111	Detailed	Shuttle Car Operators										
53-7121	Detailed	Tank Car, Truck, and Ship Loaders										
53-7199	Detailed	Material Moving Workers, All Other										