## Appendix A: O\*NET Green Task Development Project - Occupations

Code	Title	Occupation Type	# Now Tacks	# Evicting Tacks	# Non-Green Tasks
	Chief Sustainability Officers	New Green N&E	18	# Existing rasks	0
	General and Operations Managers	Green Enhanced Skills	1	1	15
	Green Marketers	New Green N&E	16	0	0
11-2021.00	Marketing Managers	Green Enhanced Skills	4	0	16
	Geothermal Production Managers	New Green N&E	17	0	0
	Biofuels Production Managers	New Green N&E	14	0	0
	Biomass Production Managers	New Green N&E	18	0	0
	Methane/Landfill Gas Collection System				
11-3051.05	•	New Green N&E	21	0	0
	Hydroelectric Production Managers	New Green N&E	19	0	0
11-30/1.01	Transportation Managers Storage and Distribution Managers	Green Enhanced Skills Green Enhanced Skills	5	1 2	22
	Farm and Ranch Managers	Green Enhanced Skills	3	1	24
	Construction Managers	Green Enhanced Skills	5	2	16
	Engineering Managers	Green Enhanced Skills	4	0	17
	Biofuels/Biodiesel Technology and				
11-9041.01	Product Development Managers	New Green N&E	19	0	0
	Water Resource Specialists	New Green N&E	21	0	0
11-9199.01	Regulatory Affairs Managers	Existing Green N&E	4	0	23
11-9199.02	Compliance Managers	Existing Green N&E	6	0	23
11-9199.04	Supply Chain Managers	Existing Green N&E	7	2	20
	Logistics Managers	Existing Green N&E	8	1	21
	Wind Energy Operations Managers	New Green N&E	16	0	0
11-9199.10	Wind Energy Project Managers	New Green N&E	15	0	0
	Brownfield Redevelopment Specialists				
11-9199.11	and Site Managers	New Green N&E	22	0	0
	Wholesale and Retail Buyers, Except		_		
	Farm Products	Green Enhanced Skills	5	1	14
13-1041.07	Regulatory Affairs Specialists	Existing Green N&E	6	0	26
	Training and Development Specialists	Green Enhanced Skills	2	0	18
	Logistics Engineers	Existing Green N&E Existing Green N&E	10	0	19 25
	Logistics Analysts Energy Auditors	Existing Green N&E	4	17	25
	Sustainability Specialists	New Green N&E	14	0	0
	Financial Analysts	Green Enhanced Skills	6	0	12
	Personal Financial Advisors	Green Enhanced Skills	2	1	18
	Financial Quantitative Analysts	Existing Green N&E	5	0	16
	Risk Management Specialists	Existing Green N&E	4	0	
	Investment Underwriters	Existing Green N&E	2	0	15
	Geospatial Information Scientists and				
15-1099.06	Technologists	Existing Green N&E	2	0	22
	Geographic Information Systems				
15-1099.07	Technicians	Existing Green N&E	5	0	14
	<u>-</u>				
	Architects, Except Landscape and Naval		6	1	16
		Green Enhanced Skills	4	1	14
	Aerospace Engineers	Green Enhanced Skills	5	4	9
	Civil Engineers	Green Enhanced Skills	6	2	9
	Transportation Engineers Electrical Engineers	Existing Green N&E Green Enhanced Skills	3	3	18 18
11-2011.00	Lieumoai Linginicers	Green Emilanceu Skiiis	3		10
17-2072 00	Electronics Engineers, Except Computer	Green Enhanced Skills	4	1	17
	Environmental Engineers	Green Enhanced Skills	3	25	0
	Water/Wastewater Engineers	New Green N&E	27	0	0
	Mechanical Engineers	Green Enhanced Skills	6	2	20
	Fuel Cell Engineers	Existing Green N&E	3	23	0
	Automotive Engineers	Existing Green N&E	6	2	17
17-2161.00	Nuclear Engineers	Green Enhanced Skills	3	4	12
	Biochemical Engineers	Existing Green N&E	11	1	23
	Validation Engineers	Existing Green N&E	2	0	20
	Energy Engineers	Existing Green N&E	1	20	0
	Manufacturing Engineers	Existing Green N&E	4		
	Mechatronics Engineers	Existing Green N&E	3	0	20
	Microsystems Engineers	Existing Green N&E	5	1	24
	Photonics Engineers	Existing Green N&E	5	0	21
	Robotics Engineers	Existing Green N&E	2	0	20
	Nanosystems Engineers	Existing Green N&E	9	0	16
	Wind Energy Engineers	New Green N&E	16	0	
	Solar Energy Systems Engineers	New Green N&E	13	0	
	Electrical Engineering Technicians	Green Enhanced Skills	5	0	
17-3024.00	Electro-Mechanical Technicians	Green Enhanced Skills	1	0	11

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Code	Title	Occupation Type	# Now Tacks	# Existing Tacks	# Non-Green Tasks
	Robotics Technicians	Existing Green N&E	# New Tasks	# Existing rasks	# Non-Green rasks
17-3024.01	TODOICS TECHNICIANS	Existing Green NGE		0	17
17-3025 00	Environmental Engineering Technicians	Green Enhanced Skills	6	20	0
	Industrial Engineering Technicians	Green Enhanced Skills	4	0	12
	Automotive Engineering Technicians	Existing Green N&E	4	1	13
	Electrical Engineering Technologists	Existing Green N&E	7	1	11
	Electromechanical Engineering	Existing Groot Haz			
	Technologists	Existing Green N&E	3	2	10
	Electronics Engineering Technologists	Existing Green N&E	4	0	19
	Industrial Engineering Technologists	Existing Green N&E	4	0	19
	<u> </u>	3			
17-3029.06	Manufacturing Engineering Technologists	Existing Green N&E	4	4	18
17-3029.07	Mechanical Engineering Technologists	Existing Green N&E	3	0	17
	Photonics Technicians	Existing Green N&E	6	0	24
17-3029.09	Manufacturing Production Technicians	Existing Green N&E	4	2	24
17-3029.10	Fuel Cell Technicians	Existing Green N&E	4	12	0
	Nanotechnology Engineering				
17-3029.11	Technologists	Existing Green N&E	6	0	11
	Nanotechnology Engineering Technicians		3	0	16
	Soil and Water Conservationists	Green Enhanced Skills	8	25	0
	Atmospheric and Space Scientists	Green Enhanced Skills	5	7	12
	Climate Change Analysts	New Green N&E	14	0	0
	Environmental Restoration Planners	New Green N&E	22	0	0
19-2041.03	Industrial Ecologists	New Green N&E	38	0	0
	Geoscientists, Except Hydrologists and				
19-2042.00	Geographers	Green Enhanced Skills	12	3	16
	Remote Sensing Scientists and				
	Technologists	Existing Green N&E	2	0	22
	Environmental Economists	New Green N&E	20	0	0
	Urban and Regional Planners	Green Enhanced Skills	4	3	12
	Transportation Planners	Existing Green N&E	1	2	19
	Agricultural Technicians	Green Enhanced Skills	3	0	23
	Geophysical Data Technicians	Green Enhanced Skills	5	0	18
	Geological Sample Test Technicians	Green Enhanced Skills	2	1	14
	Nuclear Equipment Operation Technicians	Croon Enhanced Chille	7	4	10
	Environmental Science and Protection	Green Enhanced Skills	/	1	12
		Croon Enhanced Skills	2	22	0
	Technicians, Including Health Precision Agriculture Technicians	Green Enhanced Skills Existing Green N&E	3	23	<u>0</u> 15
	Remote Sensing Technicians	Existing Green N&E	3	0	19
19-4099.03	Tremote Sensing Technicians	Existing Green N&E	3	U	19
23-1022 00	Arbitrators, Mediators, and Conciliators	Green Enhanced Skills	1	0	20
	Reporters and Correspondents	Green Enhanced Skills	1	0	27
	Public Relations Specialists	Green Enhanced Skills	3	1	14
	Occupational Health and Safety	Green Ermanced Okins	3		
	Technicians	Green Enhanced Skills	6	3	17
	Securities and Commodities Traders	Existing Green N&E	2	0	20
	Energy Brokers	Existing Green N&E	4	12	0
	Sales Representatives, Wholesale and				<u>-</u>
	Manufacturing, Technical and Scientific				
41-4011.00		Green Enhanced Skills	4	1	32
	Solar Sales Representatives and				-
41-4011.07		New Green N&E	13	0	0
43-5011.01	Freight Forwarders	Existing Green N&E	3	3	21
	Shipping, Receiving, and Traffic Clerks	Green Enhanced Skills	1	0	10
	Solar Energy Installation Managers	New Green N&E	15	0	0
	Construction Laborers	Green Enhanced Skills	4	2	27
47-2152.01	Pipe Fitters and Steamfitters	Green Enhanced Skills	3	0	17
47-2152.02		Green Enhanced Skills	9	0	14
47-2181.00		Green Enhanced Skills	7	2	19
	Sheet Metal Workers	Green Enhanced Skills	6	0	18
	Construction and Building Inspectors	Green Enhanced Skills	2	3	11
	Hazardous Materials Removal Workers	Green Enhanced Skills	6	15	0
47-4099.01	Solar Photovoltaic Installers	New Green N&E	26	0	0
	Solar Thermal Installers and Technicians	New Green N&E	21	0	0
	Weatherization Installers and				
	Technicians	New Green N&E	18	0	0
	Service Unit Operators, Oil, Gas, and				
47-5013.00	Mining	Green Enhanced Skills	1	0	18

## Appendix A: O\*NET Green Task Development Project - Occupations

Code	Title	Occupation Type	# New Tasks	# Existing Tasks	# Non-Green Tasks
	Continuous Mining Machine Operators	Green Enhanced Skills	2	0	13
49-3023.02	Automotive Specialty Technicians	Green Enhanced Skills	11	1	14
	Heating and Air Conditioning Mechanics				
49-9021.01	and Installers	Green Enhanced Skills	7	0	19
	Maintenance and Repair Workers,				
49-9042.00	General	Green Enhanced Skills	4	0	25
49-9099.01	Geothermal Technicians	New Green N&E	26	0	0
49-9099.02	Wind Turbine Service Technicians	New Green N&E	13	0	0
	Aircraft Structure, Surfaces, Rigging, and				
51-2011.00	Systems Assemblers	Green Enhanced Skills	4	0	26
51-4041.00	Machinists	Green Enhanced Skills	2	0	27
51-8011.00	Nuclear Power Reactor Operators	Green Enhanced Skills	6	0	14
51-8013.00	Power Plant Operators	Green Enhanced Skills	5	0	19
51-8099.01	Biofuels Processing Technicians	New Green N&E	19	0	0
	Methane/Landfill Gas Generation System				
51-8099.02	Technicians	New Green N&E	17	0	0
51-8099.03	Biomass Plant Technicians	New Green N&E	16	0	0
51-8099.04	Hydroelectric Plant Technicians	New Green N&E	21	0	0
	Separating, Filtering, Clarifying,				
	Precipitating, and Still Machine Setters,				
51-9012.00	Operators, and Tenders	Green Enhanced Skills	1	0	20
	Inspectors, Testers, Sorters, Samplers,				
	and Weighers	Green Enhanced Skills	2	0	30
51-9199.01	Recycling and Reclamation Workers	New Green N&E	18	0	0
53-1021.01	Recycling Coordinators	New Green N&E	23	0	0
53-3032.00	Truck Drivers, Heavy and Tractor-Trailer	Green Enhanced Skills	3	0	28
	Transportation Vehicle, Equipment and				
53-6051.07	Systems Inspectors, Except Aviation	Green Enhanced Skills	8	1	12
	Refuse and Recyclable Material				
53-7081.00	Collectors	Green Enhanced Skills	1	15	0
		TOTAL:	1079	290	1705

SOC Code  11-1011.03 Chief Sustainability Officers  Create and maintain sustainability program documents, such as schedules and budgets.  Develop methodologies to assess the viability or success of sustainability officers  Develop or execute strategies to address issues such as energy use, resource conservation, recycling, pollution reduction, waste elimination, transportation, education, and building design.  Develop or execute strategies to address issues such as energy use, resource conservation, recycling, pollution reduction, waste elimination, transportation, education, and building design.  Develop sustainability reports, presentations, or proposals for supplier, employee, academia, media, government, public interest, or other groups.  11-1011.03 Chief Sustainability Officers  Develop, or oversee the development of, marketing or outreach media for sustainability projects or events.  Develop, or oversee the development of, sustainability evaluation or monitoring systems.  Develop, or oversee the development of, sustainability evaluation or monitoring systems.  Direct sustainability program operations to ensure compliance with environmental or governmental regulations.  Evaluate and approve proposals for sustainability projects, considering factors such as cost effectiveness, technical feasibility, and integration with other initiatives.  New Green New & Emerg Evaluate and approve proposals for sustainability projects, considering factors such as cost effectiveness, technical feasibility, and integration with other initiatives.  New Green New & Emerg Evaluate and approve proposals for sustainability projects, considering factors such as cost effectiveness, technical feasibility, and integration with other initiatives.  New Green New & Emerg Evaluation or monitoring strategies.	ging Y ging Y ging Y ging Y ging Y ging Y	New Green Task  New Green Task
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Identify and evaluate pilot projects or programs to enhance the	, ,	
11-1011.03 Chief Sustainability Officers sustainability research agenda. New Green New & Emerg	ging Y	New Green Task
Identify educational, training, or other development opportunities for	, 0	
11-1011.03 Chief Sustainability Officers sustainability employees or volunteers. New Green New & Emerg	ging Y	New Green Task
11-1011.03 Chief Sustainability Officers Monitor and evaluate effectiveness of sustainability programs. New Green New & Emerg		New Green Task
Research environmental sustainability issues, concerns, or stakeholder	, ,	
11-1011.03 Chief Sustainability Officers interests. New Green New & Emerc	ging Y	New Green Task
Review sustainability program objectives, progress, or status to ensure	, ,	
11-1011.03 Chief Sustainability Officers compliance with policies, standards, regulations, or laws.	ging Y	New Green Task
Supervise employees or volunteers working on sustainability projects.	, ,	
11-1011.03 Chief Sustainability Officers New & Emerg	ging Y	New Green Task
11-1011.03 Chief Sustainability Officers Write and distribute financial or environmental impact reports. New Green New & Emerg	• •	New Green Task
Write project proposals, grant applications, or other documents to pursue	, ,	
11-1011.03 Chief Sustainability Officers funding for environmental initiatives. New Green New & Emergination of the Company of the Project proposals, grant appreciations, of other documents to particular the Project proposals, grant appreciations, of other documents to particular the Project proposals, grant appreciations, of other documents to particular the Project proposals, grant appreciations, of other documents to particular the Project proposals, grant appreciations, of other documents to particular the Project proposals, grant appreciations, of other documents to particular the Project proposals, grant appreciations, or other documents to particular the Project proposals, grant appreciations, or other documents to particular the Project proposals, grant appreciations, and the Project pro	ging Y	New Green Task
Develop or implement product-marketing strategies, including advertising	jg	Oroon raon
11-1021.00 General and Operations Managers campaigns or sales promotions.  Green Enhanced Skills		Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Direct administrative activities directly related to making products or			
11-1021.00	General and Operations Managers	providing services.	Green Enhanced Skills	N	Non-Green Task
		Direct and coordinate activities of businesses or departments concerned			
		with the production, pricing, sales, or distribution of products.			
11-1021.00	General and Operations Managers		Green Enhanced Skills	N	Non-Green Task
		Direct non-merchandising departments of businesses, such as advertising			
11-1021.00	General and Operations Managers	or purchasing.	Green Enhanced Skills	N	Non-Green Task
		Direct or coordinate financial or budget activities to fund operations,			
11-1021.00	General and Operations Managers	maximize investments, or increase efficiency.	Green Enhanced Skills	N	Non-Green Task
		Establish or implement departmental policies, goals, objectives, or			
		procedures in conjunction with board members, organization officials, or			
11-1021.00	General and Operations Managers	staff members.	Green Enhanced Skills	N	Non-Green Task
		Monitor suppliers to ensure that they efficiently and effectively provide			
11-1021.00	General and Operations Managers	needed goods or services within budgetary limits.	Green Enhanced Skills	N	Non-Green Task
		Perform personnel functions such as selection, training, or evaluation.			
11-1021.00	General and Operations Managers		Green Enhanced Skills	N	Non-Green Task
		Perform sales floor work, such as greeting or assisting customers, stocking	g		
11-1021.00	General and Operations Managers	shelves, or taking inventory.	Green Enhanced Skills	N	Non-Green Task
		Plan or direct activities such as sales promotions that require coordination			
11-1021.00	General and Operations Managers	with other department managers.	Green Enhanced Skills	N	Non-Green Task
		Plan store layouts or design displays.			
11-1021.00	General and Operations Managers		Green Enhanced Skills	N	Non-Green Task
		Prepare staff work schedules and assign specific duties.			
11-1021.00	General and Operations Managers		Green Enhanced Skills	N	Non-Green Task
		Recommend locations for new facilities or oversee the remodeling or			
11-1021.00	General and Operations Managers	renovating of current facilities.	Green Enhanced Skills	N	Non-Green Task
		Review financial statements, sales or activity reports, or other			
		performance data to measure productivity or goal achievement or to			
11-1021.00	General and Operations Managers	identify areas needing cost reduction or program improvement.	Green Enhanced Skills	N	Non-Green Task
		Set prices or credit terms for goods or services based on forecasts of			
11-1021.00	General and Operations Managers	customer demand.	Green Enhanced Skills	N	Non-Green Task
		Manage the movement of goods into and out of production facilities to			
		ensure efficiency, effectiveness, or sustainability of operations.			
11-1021.00	General and Operations Managers		Green Enhanced Skills	Y	Existing Green Task
		Implement or oversee environmental management or sustainability			
		programs addressing issues such as recycling, conservation, or waste			
11-1021.00	General and Operations Managers	management.	Green Enhanced Skills	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Analyze green product marketing or sales trends to forecast future			
11-2011.01	Green Marketers	conditions.	New Green New & Emerging	Y	New Green Task
		Analyze regional energy markets, including energy pricing, market			
		structures, energy generation competition, and energy transmission			
11-2011.01	Green Marketers	constraints.	New Green New & Emerging	Y	New Green Task
11-2011.01	Green Marketers	Analyze the effectiveness of marketing tactics or channels.	New Green New & Emerging	Y	New Green Task
		Attend or participate in conferences, community events, and promotional			
11-2011.01	Green Marketers	events related to green products or technologies.	New Green New & Emerging	Y	New Green Task
		Conduct research on consumer opinions and buying habits, and identify			
		target audiences for green products, services, or technologies.			
11-2011.01	Green Marketers		New Green New & Emerging	Υ	New Green Task
		Coordinate with other marketing team members and workers such as			
11-2011.01	Green Marketers	graphic artists to develop and implement marketing programs.	New Green New & Emerging	Υ	New Green Task
		Develop branding or sales initiatives for green products, such as solar			
		energy systems, green cleaning products, or products using renewable or			
11-2011.01	Green Marketers	recycled materials.	New Green New & Emerging	Υ	New Green Task
		Develop communications materials, advertisements, presentations, or			
		public relations initiatives to promote awareness of green products and			
11-2011.01	Green Marketers	technologies.	New Green New & Emerging	Y	New Green Task
		Develop comprehensive marketing strategies, using knowledge of green			
11-2011.01	Green Marketers	products and technologies, markets, and regulations.	New Green New & Emerging	Υ	New Green Task
		Devise or evaluate methods and procedures for collecting data, such as			
11-2011.01	Green Marketers	surveys, opinion polls, and questionnaires.	New Green New & Emerging	Y	New Green Task
		Generate or identify sales leads for green products and technologies.			
11-2011.01	Green Marketers	, , , , , , , , , , , , , , , , , , , ,	New Green New & Emerging	Υ	New Green Task
11-2011.01	Green Marketers	Identify marketing channels for green products or services.	New Green New & Emerging	Υ	New Green Task
		Maintain portfolios of marketing campaigns, strategies, and other			
11-2011.01	Green Marketers	marketing products or ideas.	New Green New & Emerging	Y	New Green Task
		Monitor green-related industry statistics or literature to identify trends.	5 5		
11-2011.01	Green Marketers		New Green New & Emerging	Υ	New Green Task
		Revise existing marketing plans or campaigns for green products,	0 0		
11-2011.01	Green Marketers	technologies, or services.	New Green New & Emerging	Y	New Green Task
		Write marketing content for green product web sites, brochures, or other	5 5		
11-2011.01	Green Marketers	communication media.	New Green New & Emerging	Y	New Green Task
		Consult with buying personnel to gain advice regarding the types of			
11-2021.00	Marketing Managers	products or services expected to be in demand.	Green Enhanced Skills	N	Non-Green Task
		Advise business or other groups on local, national, or international factors			
11 2021 00	Marketing Managers	affecting the buying or selling of products or services.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
11-2021.00	Marketing Managers	Compile lists describing product or service offerings.	Green Enhanced Skills	N	Non-Green Task
		Conduct economic or commercial surveys to identify potential markets fo	ı		
11-2021.00	Marketing Managers	products or services.	Green Enhanced Skills	N	Non-Green Task
		Confer with legal staff to resolve problems, such as copyright			
		infringement or royalty sharing with outside producers or distributors.			
11-2021.00	Marketing Managers		Green Enhanced Skills	N	Non-Green Task
		Consult with product development personnel on product specifications			
11-2021.00	Marketing Managers	such as design, color, or packaging.	Green Enhanced Skills	N	Non-Green Task
		Coordinate or participate in promotional activities or trade shows,			
		working with developers, advertisers, or production managers, to market			
11-2021.00	Marketing Managers	products or services.	Green Enhanced Skills	N	Non-Green Task
		Develop pricing strategies, balancing firm objectives and customer			
11-2021.00	Marketing Managers	satisfaction.	Green Enhanced Skills	N	Non-Green Task
		Direct the hiring, training, or performance evaluations of marketing or			
11-2021.00	Marketing Managers	sales staff and oversee their daily activities.	Green Enhanced Skills	N	Non-Green Task
		Evaluate the financial aspects of product development, such as budgets,			
		expenditures, research and development appropriations, or return-on-			
11-2021.00	Marketing Managers	investment and profit-loss projections.	Green Enhanced Skills	N	Non-Green Task
		Formulate, direct, or coordinate marketing activities or policies to promot	e		
		products or services, working with advertising or promotion managers.			
11-2021.00	Marketing Managers		Green Enhanced Skills	N	Non-Green Task
		Identify, develop, or evaluate marketing strategy, based on knowledge of			
		establishment objectives, market characteristics, and cost and markup			
11-2021.00	Marketing Managers	factors.	Green Enhanced Skills	N	Non-Green Task
11-2021.00	Marketing Managers	Initiate market research studies or analyze their findings.	Green Enhanced Skills	N	Non-Green Task
		Negotiate contracts with vendors or distributors to manage product			
		distribution, establishing distribution networks or developing distribution			
11-2021.00	Marketing Managers	strategies.	Green Enhanced Skills	N	Non-Green Task
		Select products or accessories to be displayed at trade or special			
11-2021.00	Marketing Managers	production shows.	Green Enhanced Skills	N	Non-Green Task
		Use sales forecasting or strategic planning to ensure the sale and			
		profitability of products, lines, or services, analyzing business			
11-2021.00	Marketing Managers	developments and monitoring market trends.	Green Enhanced Skills	N	Non-Green Task
		Consult with buying personnel to gain advice regarding environmentally			
11-2021.00	Marketing Managers	sound or sustainable products.	Green Enhanced Skills	Y	New Green Task
	Marketing Managers	Develop business cases for environmental marketing strategies.	Green Enhanced Skills	Y	New Green Task
	-	Integrate environmental information into product or company marketing			
11-2021.00	Marketing Managers	strategies, policies, or activities.	Green Enhanced Skills	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Recommend modifications to products, packaging, production processes,			
		or other characteristics to improve the environmental soundness or			
11-2021.00	Marketing Managers	sustainability of products.	Green Enhanced Skills	Y	New Green Task
		Communicate geothermal plant conditions to employees.			
11-3051.02	Geothermal Production Managers		New Green New & Emerging	Y	New Green Task
		Conduct well field site assessments.			
11-3051.02	Geothermal Production Managers		New Green New & Emerging	Y	New Green Task
		Develop operating plans and schedules for geothermal operations.			
11-3051.02	Geothermal Production Managers		New Green New & Emerging	Y	New Green Task
		Develop or manage budgets for geothermal operations.			
11-3051.02	Geothermal Production Managers		New Green New & Emerging	Y	New Green Task
		Identify and evaluate equipment, procedural, or conditional inefficiencies			
11-3051.02	Geothermal Production Managers	involving geothermal plant systems.	New Green New & Emerging	Υ	New Green Task
		Identify opportunities to improve plant electrical equipment, controls, or			
11-3051.02	Geothermal Production Managers	process control methodologies.	New Green New & Emerging	Y	New Green Task
		Inspect geothermal plant or injection well fields to verify proper			
11-3051.02	Geothermal Production Managers	equipment operations.	New Green New & Emerging	Y	New Green Task
		Monitor geothermal operations, using programmable logic controllers.			
11-3051.02	Geothermal Production Managers		New Green New & Emerging	Y	New Green Task
		Negotiate interconnection agreements with other utilities.			
11-3051.02	Geothermal Production Managers		New Green New & Emerging	Y	New Green Task
		Obtain permits for constructing, upgrading, or operating geothermal			
11-3051.02	Geothermal Production Managers	power plants.	New Green New & Emerging	Y	New Green Task
		Oversee geothermal plant operations, maintenance, and repairs to ensure			
11-3051.02	Geothermal Production Managers	compliance with applicable standards or regulations.	New Green New & Emerging	Υ	New Green Task
		Perform or direct the performance of preventative maintenance on			
11-3051.02	Geothermal Production Managers	geothermal plant equipment.	New Green New & Emerging	Υ	New Green Task
		Prepare environmental permit applications or compliance reports.			
11-3051.02	Geothermal Production Managers		New Green New & Emerging	Υ	New Green Task
		Record, review or maintain daily logs, reports, maintenance, and other			
11-3051.02	Geothermal Production Managers	records associated with geothermal operations.	New Green New & Emerging	Y	New Green Task
		Select and implement corrosion control or mitigation systems for	3 0		
11-3051.02	Geothermal Production Managers	geothermal plants.	New Green New & Emerging	Y	New Green Task
		Supervise employees in geothermal power plants or well fields.	0.0		
11-3051.02	Geothermal Production Managers		New Green New & Emerging	Y	New Green Task
		Troubleshoot and make minor repairs to geothermal plant instrumentation			
11-3051 02	Geothermal Production Managers	or electrical systems.	New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Adjust temperature, pressure, vacuum, level, flow rate, or transfer of			
11-3051.03	Biofuels Production Managers	biofuels to maintain processes at required levels.	New Green New & Emerging	Υ	New Green Task
		Approve proposals for the acquisition, replacement, or repair of biofuels			
		processing equipment or the implementation of new production processes	4		
11-3051.03	Biofuels Production Managers		New Green New & Emerging	Υ	New Green Task
		Conduct cost, material, and efficiency studies for biofuels production			
11-3051.03	Biofuels Production Managers	plants or operations.	New Green New & Emerging	Y	New Green Task
		Confer with technical and supervisory personnel to report or resolve			
		conditions affecting biofuels plant safety, operational efficiency, and			
11-3051.03	Biofuels Production Managers	product quality.	New Green New & Emerging	Y	New Green Task
		Draw samples of biofuels products or secondary by-products for quality			
11-3051.03	Biofuels Production Managers	control testing.	New Green New & Emerging	Y	New Green Task
		Manage operations at biofuels power generation facilities, including			
11-3051.03	Biofuels Production Managers	production, shipping, maintenance, or quality assurance activities.	New Green New & Emerging	Y	New Green Task
		Monitor meters, flow gauges, or other real-time data to ensure proper			
		operation of biofuels production equipment, implementing corrective			
11-3051.03	Biofuels Production Managers	measures as needed.	New Green New & Emerging	Υ	New Green Task
		Monitor transportation and storage of flammable or other potentially			
		dangerous feedstocks or products to ensure adherence to safety guidelines	3.		
11-3051.03	Biofuels Production Managers		New Green New & Emerging	Y	New Green Task
11-3051.03	Biofuels Production Managers	Prepare and manage biofuels plant or unit budgets.	New Green New & Emerging	Y	New Green Task
		Provide direction to employees to ensure compliance with biofuels plant			
		safety, environmental, or operational standards and regulations.			
11-3051.03	Biofuels Production Managers		New Green New & Emerging	Y	New Green Task
		Provide training to subordinate or new employees to improve biofuels			
11-3051.03	Biofuels Production Managers	plant safety or increase the production of biofuels.	New Green New & Emerging	Y	New Green Task
		Review logs, datasheets, or reports to ensure adequate production levels			
		or to identify abnormalities with biofuels production equipment or			
11-3051.03	Biofuels Production Managers	processes.	New Green New & Emerging	Y	New Green Task
		Shut down and restart biofuels plant or equipment in emergency			
11-3051.03	Biofuels Production Managers	situations or for equipment maintenance, repairs, or replacements.	New Green New & Emerging	Y	New Green Task
		Supervise production employees in the manufacturing of biofuels, such as	3		
11-3051.03	Biofuels Production Managers	biodiesel or ethanol.	New Green New & Emerging	Υ	New Green Task
		Adjust equipment controls to generate specified amounts of electrical			
11-3051.04	Biomass Production Managers	power.	New Green New & Emerging	Υ	New Green Task
11-3051.04	Biomass Production Managers	Compile and record operational data on forms or in log books.	New Green New & Emerging	Υ	New Green Task
		Conduct field inspections of biomass plants, stations, or substations to			
11-3051.04	Biomass Production Managers	ensure normal and safe operating conditions.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Evaluate power production or demand trends to identify opportunities for			
11-3051.04	Biomass Production Managers	improved operations.	New Green New & Emerging	Υ	New Green Task
		Inspect biomass gasification processes, equipment, and facilities for ways			
	Biomass Production Managers	to maximize capacity and minimize operating costs.	New Green New & Emerging	Υ	New Green Task
11-3051.04	Biomass Production Managers	Manage parts and supply inventories for biomass plants.	New Green New & Emerging	Y	New Green Task
		Monitor and operate communications systems, such as mobile radios.			
11-3051.04	Biomass Production Managers		New Green New & Emerging	Υ	New Green Task
		Monitor the operating status of biomass plants by observing control			
		system parameters, distributed control systems, switchboard gauges, dials	,		
11-3051.04	Biomass Production Managers	or other indicators.	New Green New & Emerging	Υ	New Green Task
		Operate controls to start, stop, or regulate biomass-fueled generators,			
11-3051.04	Biomass Production Managers	generator units, boilers, engines, or auxiliary systems.	New Green New & Emerging	Υ	New Green Task
		Plan and schedule plant activities such as wood, waste, or refuse fuel			
	Biomass Production Managers	deliveries, ash removal, and regular maintenance.	New Green New & Emerging	Υ	New Green Task
11-3051.04	Biomass Production Managers	Prepare and manage biomass plant budgets.	New Green New & Emerging	Υ	New Green Task
		Prepare reports on biomass plant operations, status, maintenance, and			
11-3051.04	Biomass Production Managers	other information.	New Green New & Emerging	Υ	New Green Task
		Review biomass operations performance specifications to ensure			
11-3051.04	Biomass Production Managers	compliance with regulatory requirements.	New Green New & Emerging	Υ	New Green Task
		Review logs, datasheets, or reports to ensure adequate production levels			
		and safe production environments or to identify abnormalities with power	•		
11-3051.04	Biomass Production Managers	production equipment or processes.	New Green New & Emerging	Υ	New Green Task
		Shut down and restart biomass power plants or equipment in emergency			
		situations or for equipment maintenance, repairs, or replacements.			
11-3051.04	Biomass Production Managers		New Green New & Emerging	Υ	New Green Task
		Supervise biomass plant or substation operations, maintenance, repair, or			
11-3051.04	Biomass Production Managers	testing activities.	New Green New & Emerging	Υ	New Green Task
		Supervise operations or maintenance employees in the production of			
		power from biomass such as wood, coal, paper sludge, or other waste or			
11-3051.04	Biomass Production Managers	refuse.	New Green New & Emerging	Υ	New Green Task
		Test, maintain, or repair electrical power distribution machinery or			
11-3051.04	Biomass Production Managers	equipment, using hand tools, power tools, and testing devices.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Collection	Coordinate the repair, overhaul, or routine maintenance of diesel engines			
11-3051.05	System Operators	used in landfill operations.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Collection	Develop or enforce procedures for normal operation, start-up, or shut-			
11-3051.05	System Operators	down of methane gas collection systems.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Collection	Diagnose or troubleshoot gas collection equipment and programmable			
11-3051.05	System Operators	logic controller (PLC) systems.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Methane/Landfill Gas Collection	Evaluate landfill gas collection service requirements to meet operational			
11-3051.05	System Operators	plans and productivity goals.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Collection	Implement landfill operational and emergency procedures.			
11-3051.05	System Operators		New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Collection	Inspect landfill or conduct site audits to ensure adherence to safety and			
11-3051.05	System Operators	environmental regulations.	New Green New & Emerging	Y	New Green Task
		Maintain records for landfill gas collection systems to demonstrate			
	Methane/Landfill Gas Collection	compliance with safety and environmental laws, regulations, or policies.			
11-3051.05	System Operators		New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Collection	Monitor and control liquid or gas landfill extraction systems.			
11-3051.05	System Operators		New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Monitor gas collection systems emissions data, including biomethane or			
11-3051.05	System Operators	nitrous oxide levels.	New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Monitor landfill permit requirements for updates.			
11-3051.05	System Operators		New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Operate computerized control panels to manage gas compression			
11-3051.05	System Operators	operations.	New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Optimize gas collection landfill operational costs and productivity			
11-3051.05	System Operators	consistent with safety and environmental rules and regulations.	New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Oversee gas collection landfill operations, including leachate and gas			
11-3051.05	System Operators	management or rail operations.	New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Oversee landfill gas collection system construction, maintenance, and			
11-3051.05	System Operators	repair activities.	New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Prepare and manage landfill gas collection system budgets.			
11-3051.05	System Operators		New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Prepare reports on landfill operations and gas collection system			
11-3051.05	System Operators	productivity or efficiency.	New Green New & Emerging	Y	New Green Task
11 2071 07	Methane/Landfill Gas Collection	Prepare soil reports as required by regulatory or permitting agencies.			
11-3051.05	System Operators		New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Read meters, gauges, or automatic recording devices at specified intervals			
11-3051.05	System Operators	to verify gas collection systems operating conditions.	New Green New & Emerging	Y	New Green Task
11 2071 27	Methane/Landfill Gas Collection	Recommend or implement practices to reduce turnaround time for trucks			
11-3051.05	System Operators	in and out of landfill site.	New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Collection	Supervise landfill, well field, and other subordinate employees.			
11-3051.05	System Operators		New Green New & Emerging	Y	New Green Task
11 00 - 1 5 -	Methane/Landfill Gas Collection	Track volume and weight of landfill waste.			
11-3051.05	System Operators		New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Check hydroelectric operations for compliance with prescribed operating			
		limits, such as loads, voltages, temperatures, lines, or equipment.			
11-3051.06	Hydroelectric Production Managers	3	New Green New & Emerging	Υ	New Green Task
		Create or enforce hydrostation voltage schedules.			
11-3051.06	Hydroelectric Production Managers	3	New Green New & Emerging	Υ	New Green Task
		Develop or implement policy evaluation procedures for hydroelectric			
11-3051.06	Hydroelectric Production Managers		New Green New & Emerging	Υ	New Green Task
		Develop or implement projects to improve efficiency, economy, or			
11-3051.06	Hydroelectric Production Managers	effectiveness of hydroelectric plant operations.	New Green New & Emerging	Y	New Green Task
		Develop or review budgets, annual plans, power contracts, power rates,			
		standing operating procedures, power reviews, or engineering studies.			
11-3051.06	Hydroelectric Production Managers	3	New Green New & Emerging	Υ	New Green Task
		Direct operations, maintenance, or repair of hydroelectric power facilities			
11-3051.06	Hydroelectric Production Managers	3	New Green New & Emerging	Υ	New Green Task
		Identify and communicate power system emergencies.			
11-3051.06	Hydroelectric Production Managers		New Green New & Emerging	Υ	New Green Task
		Inspect hydroelectric facilities, including switchyards, control houses, or			
		relay houses, for normal operation or adherence to safety standards.			
11-3051.06	Hydroelectric Production Managers		New Green New & Emerging	Y	New Green Task
		Maintain records of hydroelectric facility operations, maintenance, or			
11-3051.06	Hydroelectric Production Managers	repairs.	New Green New & Emerging	Υ	New Green Task
		Monitor or inspect hydroelectric equipment, such as hydro-turbines,			
11-3051.06	Hydroelectric Production Managers	generators, or control systems.	New Green New & Emerging	Υ	New Green Task
		Negotiate power generation contracts with other public or private utilities			
11-3051.06	Hydroelectric Production Managers	3	New Green New & Emerging	Υ	New Green Task
		Operate energized high- or low-voltage hydroelectric power transmission			
		system substations, according to procedures and safety requirements.			
11-3051.06	Hydroelectric Production Managers		New Green New & Emerging	Y	New Green Task
		Perform or direct preventive or corrective containment or cleanup to			
11-3051.06	Hydroelectric Production Managers	protect the environment.	New Green New & Emerging	Υ	New Green Task
		Plan or coordinate hydroelectric production operations to meet customer			
11-3051.06	Hydroelectric Production Managers	requirements.	New Green New & Emerging	Y	New Green Task
		Plan or manage hydroelectric plant upgrades.			
11-3051.06	Hydroelectric Production Managers		New Green New & Emerging	Y	New Green Task
		Provide technical direction in the erection or commissioning of			
		hydroelectric equipment or supporting electrical or mechanical systems.			
11-3051.06	Hydroelectric Production Managers	S	New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Respond to problems related to ratepayers, water users, power users,			
		government agencies, educational institutions, or other private or public			
11-3051.06	Hydroelectric Production Manager	s power resource interests.	New Green New & Emerging	Υ	New Green Task
		Supervise hydropower plant equipment installations, upgrades, or			
11-3051.06	Hydroelectric Production Manager		New Green New & Emerging	Y	New Green Task
		Supervise or monitor hydroelectric facility operations to ensure that			
		generation or mechanical equipment conform to applicable regulations or			
11-3051.06	Hydroelectric Production Manager	s standards.	New Green New & Emerging	Y	New Green Task
		Analyze expenditures and other financial information to develop plans,			
		policies, or budgets for increasing profits or improving services.			
11-3071.01	Transportation Managers		Green Enhanced Skills	N	Non-Green Task
		Collaborate with other managers or staff members to formulate and			
11-3071.01	Transportation Managers	implement policies, procedures, goals, or objectives.	Green Enhanced Skills	N	Non-Green Task
		Conduct employee training sessions on subjects such as hazardous			
		material handling, employee orientation, quality improvement, or			
11-3071.01	Transportation Managers	computer use.	Green Enhanced Skills	N	Non-Green Task
		Conduct investigations in cooperation with government agencies to			
		determine causes of transportation accidents, coordinate cleanup			
11-3071.01	Transportation Managers	activities, or improve safety procedures.	Green Enhanced Skills	N	Non-Green Task
		Develop criteria, application instructions, procedural manuals, or			
11-3071.01	Transportation Managers	contracts for federal or state public transportation programs.	Green Enhanced Skills	N	Non-Green Task
		Direct activities related to dispatching, routing, or tracking transportation			
11-3071.01	Transportation Managers	vehicles, such as aircraft or railroad cars.	Green Enhanced Skills	N	Non-Green Task
		Direct investigations to verify and resolve customer or shipper complaints	5.		
11-3071.01	Transportation Managers		Green Enhanced Skills	N	Non-Green Task
		Direct or coordinate the activities of operations department to obtain use			
11-3071.01	Transportation Managers	of equipment, facilities, or human resources.	Green Enhanced Skills	N	Non-Green Task
		Direct procurement processes including equipment research and testing,			
11-3071.01	Transportation Managers	vendor contracts, or requisitions approval.	Green Enhanced Skills	N	Non-Green Task
		Direct staff performing repairs and maintenance to equipment, vehicles, o			
11-3071.01	Transportation Managers	facilities.	Green Enhanced Skills	N	Non-Green Task
11-3071.01	Transportation Managers	Implement schedule or policy changes for transportation services.	Green Enhanced Skills	N	Non-Green Task
		Monitor spending to ensure that expenses are consistent with approved			
11-3071.01	Transportation Managers	budgets.	Green Enhanced Skills	N	Non-Green Task
		Negotiate, authorize, or monitor fulfillment of contracts with equipment			
11-3071.01	Transportation Managers	or materials suppliers.	Green Enhanced Skills	N	Non-Green Task
11-3071.01	Transportation Managers	Participate in union contract negotiations or grievance settlements.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Plan, organize, or manage the work of subordinate staff to ensure that the			
		work is accomplished in a manner consistent with organizational			
11-3071.01	Transportation Managers	requirements.	Green Enhanced Skills	N	Non-Green Task
		Prepare management recommendations, such as proposed fee and tariff			
11-3071.01	Transportation Managers	increases or schedule changes.	Green Enhanced Skills	N	Non-Green Task
		Promote safe work activities by conducting safety audits, attending			
		company safety meetings, or meeting with individual staff members.			
11-3071.01	Transportation Managers		Green Enhanced Skills	N	Non-Green Task
		Provide administrative or technical assistance to those receiving			
11-3071.01	Transportation Managers	transportation-related grants.	Green Enhanced Skills	N	Non-Green Task
		Recommend or authorize capital expenditures for acquisition of new			
		equipment or property to increase efficiency and services of operations			
11-3071.01	Transportation Managers	department.	Green Enhanced Skills	N	Non-Green Task
		Serve as contact persons for all workers within assigned territories.			
11-3071.01	Transportation Managers		Green Enhanced Skills	N	Non-Green Task
		Set operations policies and standards, including determining safety			
	Transportation Managers	procedures for the handling of dangerous goods.	Green Enhanced Skills	N	Non-Green Task
11-3071.01	Transportation Managers	Supervise clerks assigning tariff classifications or preparing billing.	Green Enhanced Skills	N	Non-Green Task
		Monitor operations to ensure that staff members comply with			
		administrative policies and procedures, safety rules, union contracts,			
11-3071.01	Transportation Managers	environmental policies, or government regulations.	Green Enhanced Skills	Y	Existing Green Task
		Develop or implement plans to improve transportation services control			
		from regional to national or global load control center operations.			
11-3071.01	Transportation Managers		Green Enhanced Skills	Y	New Green Task
		Direct central load control centers to maximize efficiency and			
11-3071.01	Transportation Managers	effectiveness of transportation services.	Green Enhanced Skills	Y	New Green Task
		Evaluate transportation vehicles or auxiliary equipment for purchase by			
		considering factors such as fuel economy or aerodynamics.			
11-3071.01	Transportation Managers		Green Enhanced Skills	Y	New Green Task
		Identify or select transportation and communications system technologies			
11-3071.01	Transportation Managers	to reduce costs or environmental impacts.	Green Enhanced Skills	Y	New Green Task
		Plan or implement energy saving changes to transportation services, such			
		as reducing routes, optimizing capacities, employing alternate modes of			
11-3071.01	Transportation Managers	transportation, or minimizing idling.	Green Enhanced Skills	Y	New Green Task
44 0004 00		Advise sales and billing departments of transportation charges for			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
44 0004 00		Arrange for necessary shipping documentation and contact customs			
11-3071.02	Storage and Distribution Managers	officials to effect release of shipments.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Arrange for storage facilities when required.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Confer with department heads to coordinate warehouse activities, such as			
11-3071.02	Storage and Distribution Managers	production, sales, records control, or purchasing.	Green Enhanced Skills	N	Non-Green Task
		Develop and document standard and emergency operating procedures for			
		receiving, handling, storing, shipping, or salvaging products or materials.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Develop or implement plans for facility modification or expansion, such			
		as equipment purchase or changes in space allocation or structural design.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Evaluate freight or inventory costs associated with transit times to ensure			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Examine invoices and shipping manifests for conformity to tariff and			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Examine products or materials to estimate quantities or weight and type o			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Inspect physical conditions of warehouses, vehicle fleets, or equipment			
		and order testing, maintenance, repairs, or replacements.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Interview, select, and train warehouse and supervisory personnel.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Issue shipping instructions and provide routing information to ensure that			
11-3071.02	Storage and Distribution Managers	delivery times and locations are coordinated.	Green Enhanced Skills	N	Non-Green Task
		Monitor inventory levels of products or materials in warehouses.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Negotiate with carriers, warehouse operators, or insurance company			
11-3071.02	Storage and Distribution Managers	representatives for services and preferential rates.	Green Enhanced Skills	N	Non-Green Task
		Participate in setting transportation and service rates.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Prepare or direct preparation of correspondence, reports, or manuals, such			
11-3071.02	Storage and Distribution Managers	as operations, maintenance, or safety manuals.	Green Enhanced Skills	N	Non-Green Task
		Respond to customers' or shippers' questions and complaints regarding			
11-3071.02	Storage and Distribution Managers	storage and distribution services.	Green Enhanced Skills	N	Non-Green Task
		Review invoices, work orders, consumption reports, or demand forecasts			
		to estimate peak delivery periods and to issue work assignments.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	N	Non-Green Task
		Schedule or monitor air or surface pickup, delivery, or distribution of			
11-3071.02	Storage and Distribution Managers	products or materials.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Supervise the activities of workers engaged in receiving, storing, testing,			
11-3071.02	Storage and Distribution Managers	and shipping products or materials.	Green Enhanced Skills	N	Non-Green Task
		Track and trace goods while they are en route to their destinations,			
11-3071.02	Storage and Distribution Managers	expediting orders when necessary.	Green Enhanced Skills	N	Non-Green Task
		Evaluate locations for new warehouses and distribution networks			
		considering the financial, environmental, and operational implications.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	Υ	Existing Green Task
		Plan, develop, or implement warehouse safety, security, or environmental			
11-3071.02	Storage and Distribution Managers	programs and activities.	Green Enhanced Skills	Υ	Existing Green Task
		Develop or implement plans for storage and distribution activities that			
		emphasize technological solutions for sustainability, such as investment in	1		
		smart or eco-friendly containers, dynamic distribution networks,			
11-3071.02	Storage and Distribution Managers	warehouse renovations, or fuel efficient fleets.	Green Enhanced Skills	Υ	New Green Task
		Develop storage and distribution models that include factors such as			
		warehouse locations, customer locations, or available transportation			
		modes to maximize operational efficiency or sustainability.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	Υ	New Green Task
		Evaluate contractors or business partners for operational efficiency or			
11-3071.02	Storage and Distribution Managers	safety or environmental performance records.	Green Enhanced Skills	Υ	New Green Task
		Identify and implement carbon minimization activities to offset carbon			
		emissions, such as by planting trees, purchasing carbon credits, or			
		purchasing green technologies, such as air filtration or alternative energy			
11-3071.02	Storage and Distribution Managers	vehicles or power.	Green Enhanced Skills	Υ	New Green Task
		Select modes of transportation for the distribution of goods that minimize			
		pollution, such as carbon output or other environmental impacts.			
11-3071.02	Storage and Distribution Managers		Green Enhanced Skills	Υ	New Green Task
11-9013.02	Farm and Ranch Managers	Analyze market conditions to determine acreage allocations.	Green Enhanced Skills	N	Non-Green Task
		Analyze soil to determine types or quantities of fertilizer required for			
11-9013.02	Farm and Ranch Managers	maximum crop production.	Green Enhanced Skills	N	Non-Green Task
		Buy or sell futures contracts or price farm products in advance of future			
11-9013.02	Farm and Ranch Managers	sales to minimize risk or maximize profits.	Green Enhanced Skills	N	Non-Green Task
		Change processes such as drying, grading, storing, or shipping to improve			
11-9013.02	Farm and Ranch Managers	efficiency or profitability.	Green Enhanced Skills	N	Non-Green Task
		Demonstrate or explain working techniques, practices, or safety			
11-9013.02	Farm and Ranch Managers	regulations to farm or ranch workers.	Green Enhanced Skills	N	Non-Green Task
		Determine types or quantities of crops or livestock to be raised, according			
		to factors such as market conditions, federal programs or incentives, or			
11-9013.02	Farm and Ranch Managers	soil conditions.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Direct crop production operations, such as planning, tilling, planting,			
11-9013.02 Fa	arm and Ranch Managers	fertilizing, cultivating, spraying, or harvesting.	Green Enhanced Skills	N	Non-Green Task
		Direct the breeding or raising of stock, such as cattle, poultry, or			
		honeybees, using recognized breeding practices to ensure stock			
11-9013.02 Fa	arm and Ranch Managers	improvement.	Green Enhanced Skills	N	Non-Green Task
		Evaluate marketing or sales alternatives for farm or ranch products.			
11-9013.02 Fa	arm and Ranch Managers		Green Enhanced Skills	N	Non-Green Task
		Hire, train, or supervise workers engaged in planting, cultivating,			
11-9013.02 Fa	arm and Ranch Managers	irrigating, harvesting, or marketing crops, or in raising livestock.	Green Enhanced Skills	N	Non-Green Task
11-9013.02 Fa	arm and Ranch Managers	Inspect farm or ranch equipment to ensure proper functioning.	Green Enhanced Skills	N	Non-Green Task
		Inspect farm or ranch structures, such as buildings, fences, or roads,			
11-9013.02 Fa	arm and Ranch Managers	ordering repair or maintenance activities, as needed.	Green Enhanced Skills	N	Non-Green Task
		Inspect orchards or fields to determine crop maturity or condition or to			
11-9013.02 Fa	arm and Ranch Managers	detect disease or insect infestation.	Green Enhanced Skills	N	Non-Green Task
		Maintain financial, operational, production, or employment records for			
11-9013.02 Fa	arm and Ranch Managers	farms or ranches.	Green Enhanced Skills	N	Non-Green Task
		Monitor activities such as irrigation, chemical application, harvesting,			
		milking, breeding, or grading to ensure adherence to safety regulations or			
11-9013.02 Fa	arm and Ranch Managers	standards.	Green Enhanced Skills	N	Non-Green Task
		Negotiate with buyers for the sale, storage, or shipment of crops or			
11-9013.02 Fa	arm and Ranch Managers	livestock.	Green Enhanced Skills	N	Non-Green Task
		Obtain financing necessary for purchases of machinery, land, supplies, or			
11-9013.02 Fa	arm and Ranch Managers	livestock.	Green Enhanced Skills	N	Non-Green Task
		Operate or oversee the operations of dairy farms that produce bulk milk.			
11-9013.02 Fa	arm and Ranch Managers		Green Enhanced Skills	N	Non-Green Task
		Operate or oversee the operations of poultry or swine farms producing			
11-9013.02 Fa	arm and Ranch Managers	meat, eggs, or breeding stock.	Green Enhanced Skills	N	Non-Green Task
		Plan and direct development or production of hardier or higher-yield			
11-9013.02 Fa	arm and Ranch Managers	hybrid plant varieties.	Green Enhanced Skills	N	Non-Green Task
		Plan crop activities based on factors such as crop maturity or weather			
11-9013.02 Fa	arm and Ranch Managers	conditions.	Green Enhanced Skills	N	Non-Green Task
11-9013.02 Fa	arm and Ranch Managers	Prepare budgets or financial reports for farm or ranch operations.	Green Enhanced Skills	N	Non-Green Task
		Select or purchase machinery, equipment, livestock, or supplies, such as			
11-9013.02 Fa	arm and Ranch Managers	seed, feed, fertilizer, or chemicals.	Green Enhanced Skills	N	Non-Green Task
		Supervise the construction of farm or ranch structures, such as buildings,			
11-9013.02 Fa	arm and Ranch Managers	fences, drainage systems, wells, or roads.	Green Enhanced Skills	N	Non-Green Task

SOC Code	O*NET-SOC Title				
		Task	Type	Green Task	Type of Green Task
		Monitor pasture or grazing land use to ensure that livestock are properly			
		fed or that conservation methods, such as rotational grazing, are used.			
11-9013.02	Farm and Ranch Managers		Green Enhanced Skills	Υ	Existing Green Task
11-9013.02	Farm and Ranch Managers	Direct livestock or crop waste recycling operations.	Green Enhanced Skills	Y	New Green Task
		Monitor and adjust irrigation systems to distribute water according to crop			
11-9013.02	Farm and Ranch Managers	needs and to avoid wasting water.	Green Enhanced Skills	Υ	New Green Task
		Replace chemical insecticides with environmentally friendly practices,			
11-9013.02	Farm and Ranch Managers	such as adding pest-repelling plants to fields.	Green Enhanced Skills	Υ	New Green Task
11-9021.00	Construction Managers	Apply for and obtain all necessary permits or licenses.	Green Enhanced Skills	N	Non-Green Task
		Confer with supervisory personnel, owners, contractors, or design			
		professionals to discuss and resolve matters, such as work procedures,			
11-9021.00	Construction Managers	complaints, or construction problems.	Green Enhanced Skills	N	Non-Green Task
	Construction Managers	Contract or oversee craft work, such as painting or plumbing.	Green Enhanced Skills	N	Non-Green Task
		Determine labor requirements for dispatching workers to construction			
11-9021.00	Construction Managers	sites.	Green Enhanced Skills	N	Non-Green Task
	Construction Managers	Direct acquisition of land for construction projects.	Green Enhanced Skills	N	Non-Green Task
	Construction Managers	Direct and supervise construction or related workers.	Green Enhanced Skills	N	Non-Green Task
		Evaluate construction methods and determine cost-effectiveness of plans,			
11-9021.00	Construction Managers	using computer models.	Green Enhanced Skills	N	Non-Green Task
	5	Implement new or modified plans in response to delays, bad weather, or			
11-9021.00	Construction Managers	construction site emergencies.	Green Enhanced Skills	N	Non-Green Task
		Interpret and explain plans and contract terms to representatives of the			
		owner or developer, including administrative staff, workers, or clients.			
11-9021.00	Construction Managers		Green Enhanced Skills	N	Non-Green Task
		Investigate damage, accidents, or delays at construction sites to ensure			
11-9021.00	Construction Managers	that proper construction procedures are being followed.	Green Enhanced Skills	N	Non-Green Task
		Plan, organize, or direct activities concerned with the construction or			
11-9021.00	Construction Managers	maintenance of structures, facilities, or systems.	Green Enhanced Skills	N	Non-Green Task
		Plan, schedule, or coordinate construction project activities to meet			Tron Groom rack
11-9021.00	Construction Managers	deadlines.	Green Enhanced Skills	N	Non-Green Task
		Prepare and submit budget estimates, progress reports, or cost tracking			Tron Groom rack
11-9021 00	Construction Managers	reports.	Green Enhanced Skills	N	Non-Green Task
-17021.00		Prepare contracts or negotiate revisions to contractual agreements with	5.55H EIIIGIIGG GIGIIG	11	Croon ruon
11-9021.00	Construction Managers	architects, consultants, clients, suppliers, or subcontractors.	Green Enhanced Skills	N	Non-Green Task
	Construction Managers	Requisition supplies or materials to complete construction projects.	Green Enhanced Skills	N	Non-Green Task
11 7021.00	Construction managers	Study job specifications to determine appropriate construction methods.	Croon Enhanced Okins	11	Hon Orcon rask
11-9021 00	Construction Managers	stady job specifications to determine appropriate constitution methods.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Develop and implement programs, such as safety, environmental			
11-9021.00	Construction Managers	protection, or quality control programs.	Green Enhanced Skills	Y	Existing Green Task
		Inspect or review projects to monitor compliance with building and safet	у		
11-9021.00	Construction Managers	codes or environmental or other regulations.	Green Enhanced Skills	Y	Existing Green Task
		Apply green building strategies to reduce energy costs or minimize carbo	or		
11-9021.00	Construction Managers	output or other sources of harm to the environment.	Green Enhanced Skills	Υ	New Green Task
		Develop construction budgets that compare green and non-green			
		construction alternatives in terms of short-term costs, long-term costs, or			
11-9021.00	Construction Managers	environmental impacts.	Green Enhanced Skills	Y	New Green Task
		Implement training programs on environmentally responsible building			
11-9021.00	Construction Managers	topics to update employee skills and knowledge.	Green Enhanced Skills	Y	New Green Task
		Perform or contract others to perform prebuilding assessments, such as			
		conceptual cost estimating, rough order of magnitude estimating,			
		feasibility, or energy efficiency, environmental, and sustainability			
11-9021.00	Construction Managers	assessments.	Green Enhanced Skills	Y	New Green Task
		Procure Leadership in Energy Efficient Design (LEED) or other		-	
		environmentally certified professionals to ensure responsible design and			
		building activities or to achieve favorable LEED ratings for building			
11-9021.00	Construction Managers	projects.	Green Enhanced Skills	Y	New Green Task
	Engineering Managers	Administer highway planning, construction, or maintenance.	Green Enhanced Skills	N	Non-Green Task
		Assess project feasibility by analyzing technology, resource needs, and			
11-9041.00	Engineering Managers	market demand.	Green Enhanced Skills	N	Non-Green Task
		Confer with management, production, or marketing staff to discuss			
11-9041.00	Engineering Managers	project specifications or procedures.	Green Enhanced Skills	N	Non-Green Task
	Engineering Managers	Consult or negotiate with clients to prepare project specifications.	Green Enhanced Skills	N	Non-Green Task
		Develop or implement policies, standards, or procedures for engineering			
11-9041.00	Engineering Managers	and technical work.	Green Enhanced Skills	N	Non-Green Task
		Direct recruitment, placement, and evaluation of architecture or	C. Co. L. Marieca Cimic		Tron Groom raon
11-9041.00	Engineering Managers	engineering project staff.	Green Enhanced Skills	N	Non-Green Task
		Direct the engineering of water control, treatment, or distribution projects			Tron Groom raon
11-9041.00	Engineering Managers	2 more and engineering of water control, a causing in project	Green Enhanced Skills	N	Non-Green Task
	Engineering Managers	Direct, review, or approve project design changes.	Green Enhanced Skills	N	Non-Green Task
	<i>C C</i>	Establish scientific or technical goals within broad outlines provided by			
11-9041.00	Engineering Managers	top management.	Green Enhanced Skills	N	Non-Green Task
, , , , , , , , , , ,	00	Manage the coordination and overall integration of technical activities in		.,	G.GG Tuok
11-9041.00	Engineering Managers	architecture or engineering projects.	Green Enhanced Skills	N	Non-Green Task
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O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Perform administrative functions, such as reviewing or writing reports,			
		approving expenditures, enforcing rules, or purchasing of materials or			
11-9041.00	Engineering Managers	services.	Green Enhanced Skills	N	Non-Green Task
		Plan or direct the installation, testing, operation, maintenance, or repair of	f		
11-9041.00	Engineering Managers	facilities or equipment.	Green Enhanced Skills	N	Non-Green Task
11-9041.00	Engineering Managers	Plan, direct, or coordinate survey work with other project activities.	Green Enhanced Skills	N	Non-Green Task
11-9041.00	Engineering Managers	Prepare budgets, bids, or contracts.	Green Enhanced Skills	N	Non-Green Task
11-9041.00	Engineering Managers	Present and explain proposals, reports, or findings to clients.	Green Enhanced Skills	N	Non-Green Task
11-9041.00	Engineering Managers	Review, recommend, or approve contracts or cost estimates.	Green Enhanced Skills	N	Non-Green Task
		Solicit project support by conferring with officials or providing			
11-9041.00	Engineering Managers	information to the public.	Green Enhanced Skills	N	Non-Green Task
		Develop or implement programs to improve sustainability or reduce the			
		environmental impacts of engineering or architecture activities or			
11-9041.00	Engineering Managers	operations.	Green Enhanced Skills	Y	New Green Task
		Evaluate environmental regulations or social pressures related to			
		environmental issues to inform strategic or operational decision-making.			
11-9041.00	Engineering Managers		Green Enhanced Skills	Y	New Green Task
		Evaluate the environmental impacts of engineering, architecture, or			
11-9041.00	Engineering Managers	research and development activities.	Green Enhanced Skills	Y	New Green Task
		Identify environmental threats or opportunities associated with the			
11-9041.00	Engineering Managers	development and launch of new technologies.	Green Enhanced Skills	Y	New Green Task
		Analyze data from biofuels studies, such as fluid dynamics, water			
	Biofuels/Biodiesel Technology and	treatments, or solvent extraction and recovery processes.			
	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Conduct experiments on biomass or pretreatment technologies.			
	Biofuels/Biodiesel Technology and				
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Conduct experiments to test new or alternate feedstock fermentation	0 0		
	Biofuels/Biodiesel Technology and	processes.			
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
	1 5	Conduct research to breed or develop energy crops with improved	3 3		
		biomass yield, environmental adaptability, pest resistance, production			
	Biofuels/Biodiesel Technology and	efficiency, bioprocessing characteristics, or reduced environmental			
	Product Development Managers	impacts.	New Green New & Emerging	Y	New Green Task
	1	Design chemical conversion processes, such as etherification,	39		
		esterification, interesterification, transesterification, distillation,			
	Biofuels/Biodiesel Technology and	hydrogenation, oxidation or reduction of fats and oils, and vegetable oil			
	Product Development Managers	refining.	New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Design or conduct applied biodiesel or biofuels research projects on			
		topics such as transport, thermodynamics, mixing, filtration, distillation,			
11-9041.01	Product Development Managers	fermentation, extraction, and separation.	New Green New & Emerging	Υ	New Green Task
		Design or execute solvent or product recovery experiments in laboratory			
	Biofuels/Biodiesel Technology and	or field settings.			
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Develop carbohydrates arrays and associated methods for screening			
		enzymes involved in biomass conversion.			
11-9041.01	Product Development Managers		New Green New & Emerging	Υ	New Green Task
		Develop computational tools or approaches to improve biofuels research			
	Biofuels/Biodiesel Technology and	and development activities.			
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Develop lab scale models of industrial scale processes, such as			
	Biofuels/Biodiesel Technology and	fermentation.			
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Develop methods to estimate the efficiency of biomass pretreatments.			
	Biofuels/Biodiesel Technology and				
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Develop methods to recover ethanol or other fuels from complex			
	23	bioreactor liquid and gas streams.			
11-9041.01	Product Development Managers		New Green New & Emerging	Υ	New Green Task
		Develop separation processes to recover biofuels.			
	Biofuels/Biodiesel Technology and				
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Oversee biodiesel/biofuels prototyping or development projects.			
	Biofuels/Biodiesel Technology and				
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Perform protein functional analysis and engineering for processing of			
	Biofuels/Biodiesel Technology and	leedstock and creation of biofuels.			
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Prepare biofuels research and development reports for senior managemen	t		
	Biofuels/Biodiesel Technology and	or technical professionals.			
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task
		Prepare, or oversee the preparation of, experimental plans for biofuels			
	Biofuels/Biodiesel Technology and	research or development.			
11-9041.01	Product Development Managers		New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Propose new biofuels products, processes, technologies or applications			
	Biofuels/Biodiesel Technology and	based on findings from applied biofuels or biomass research projects.			
11-9041.01	Product Development Managers		New Green New & Emerging	Υ	New Green Task
		Provide technical or scientific guidance to technical staff in the conduct of	1		
	Biofuels/Biodiesel Technology and	biofuels research or development.			
11-9041.01	Product Development Managers		New Green New & Emerging	Υ	New Green Task
		Analyze storm water systems to identify opportunities for water resource			
11-9121.02	Water Resource Specialists	improvements.	New Green New & Emerging	Υ	New Green Task
		Compile and maintain documentation on the health of a body of water.			
11-9121.02	Water Resource Specialists		New Green New & Emerging	Y	New Green Task
		Compile water resource data, using geographic information systems (GIS			
11-9121.02	Water Resource Specialists	or global position systems (GPS) software.	New Green New & Emerging	Y	New Green Task
		Conduct cost-benefit studies for watershed improvement projects or water			
11-9121.02	Water Resource Specialists	management alternatives.	New Green New & Emerging	Υ	New Green Task
	•	Conduct technical studies for water resources on topics such as pollutants	3 3		
11-9121.02	Water Resource Specialists	and water treatment options.	New Green New & Emerging	Y	New Green Task
	1	Conduct, or oversee the conduct of, chemical, physical, and biological			
		water quality monitoring or sampling to ensure compliance with water			
11-9121.02	Water Resource Specialists	quality standards.	New Green New & Emerging	Y	New Green Task
11 / 121.02	water resource specialists	Conduct, or oversee the conduct of, investigations on matters such as	The Green New & Emerging		Trow Groom rack
		water storage, wastewater discharge, pollutants, permits, or other			
11-9121 02	Water Resource Specialists	compliance and regulatory issues.	New Green New & Emerging	Y	New Green Task
11 / 121.02	water resource specialists	Develop or implement standardized water monitoring and assessment	The Green New & Emerging		Trow Groom rack
11-9121.02	Water Resource Specialists	methods.	New Green New & Emerging	Y	New Green Task
11 /121.02	water resource specialists	Develop plans to protect watershed health or rehabilitate watersheds.	Trew Green New & Emerging		New Orcen rask
11-9121 02	Water Resource Specialists	Develop plans to protect watershed hearth of remaining watersheds.	New Green New & Emerging	Y	New Green Task
11 /121.02	water resource specialists	Develop strategies for watershed operations to meet water supply and	New Green New & Emerging		New Orcen rask
		conservation goals or to ensure regulatory compliance with clean water			
11-9121 02	Water Resource Specialists	laws or regulations.	New Green New & Emerging	Υ	New Green Task
11-7121.02	water Resource Specialists	Identify and characterize specific causes or sources of water pollution.	New Green New & Emerging		New Oreen rask
11 0121 02	Water Resource Specialists	identify and characterize specific causes of sources of water politicon.	New Green New & Emerging	Υ	New Green Task
11-7141.04	water Resource Specialists	Identify methods for distributing purified wastewater into rivers, streams,	INEW GIEET NEW & ETTEIGHT	ī	INGW GIGGII I dSK
11 0121 02	Water Resource Specialists	or oceans.	Now Croop Now 9 Emersia	V	Now Croon Took
11-9121.02	water Resource Specialists	Monitor water use, demand, or quality in a particular geographic area.	New Green New & Emerging	Y	New Green Task
11 0121 02	Water Description	iviolitor water use, demand, or quanty in a particular geographic area.	New Creen New 9 Emergina	V	Now Cross Took
11-9121.02	Water Resource Specialists	No action for an about a single course of the course of th	New Green New & Emerging	Y	New Green Task
11 0101 00	Water Danson C. 11.4	Negotiate for water rights with communities or water facilities to meet	Name Oraca Mana 2 5		Name Organia Toda
	Water Resource Specialists	water supply demands.	New Green New & Emerging	Y	New Green Task
11-9121.02	Water Resource Specialists	Perform hydrologic, hydraulic, or water quality modeling.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Present water resource proposals to government, public interest groups, o	r		
11-9121.02	Water Resource Specialists	community groups.	New Green New & Emerging	Υ	New Green Task
		Provide technical expertise to assist communities in the development or			
		implementation of storm water monitoring or other water programs.			
11-9121.02	Water Resource Specialists		New Green New & Emerging	Υ	New Green Task
		Recommend new or revised policies, procedures, or regulations to suppor	1		
11-9121.02	Water Resource Specialists	water resource or conservation goals.	New Green New & Emerging	Υ	New Green Task
	_	Review or evaluate designs for water detention facilities, storm drains,			
11-9121.02	Water Resource Specialists	flood control facilities, or other hydraulic structures.	New Green New & Emerging	Υ	New Green Task
		Supervise teams of workers who capture water from wells and rivers.			
11-9121.02	Water Resource Specialists	·	New Green New & Emerging	Y	New Green Task
	-	Write proposals, project reports, informational brochures, or other	3 3		
		documents on wastewater purification, water supply and demand, or other	r		
11-9121.02	Water Resource Specialists	water resource subjects.	New Green New & Emerging	Y	New Green Task
	1	Communicate regulatory information to multiple departments and ensure			
11-9199.01	Regulatory Affairs Managers	that information is interpreted correctly.	Existing Green New & Emerging	N	Non-Green Task
		Contribute to the development or implementation of business unit			
11-9199.01	Regulatory Affairs Managers	strategic and operating plans.	Existing Green New & Emerging	N	Non-Green Task
		Coordinate internal discoveries and depositions with legal department			
11-9199.01	Regulatory Affairs Managers	staff.	Existing Green New & Emerging	N	Non-Green Task
	l ga and g	Develop and maintain standard operating procedures or local working			
11-9199.01	Regulatory Affairs Managers	practices.	Existing Green New & Emerging	N	Non-Green Task
		Develop regulatory strategies and implementation plans for the			
11-9199.01	Regulatory Affairs Managers	preparation and submission of new products.	Existing Green New & Emerging	N	Non-Green Task
	l ga and g	Direct documentation efforts to ensure compliance with domestic and			
11-9199.01	Regulatory Affairs Managers	international regulations and standards.	Existing Green New & Emerging	N	Non-Green Task
	l ga and g	Direct the preparation and submission of regulatory agency applications,			
11-9199.01	Regulatory Affairs Managers	reports, or correspondence.	Existing Green New & Emerging	N	Non-Green Task
		Establish procedures or systems for publishing document submissions			
11-9199.01	Regulatory Affairs Managers	either in hardcopy or electronic formats.	Existing Green New & Emerging	N	Non-Green Task
,, ,	g	Establish regulatory priorities or budgets and allocate resources and			TON GROWN TOOK
11-9199.01	Regulatory Affairs Managers	workloads.	Existing Green New & Emerging	N	Non-Green Task
-1 ,1,,,,,,,		Evaluate new software publishing systems and confer with regulatory	Cross real a marging	.,	Stoom rack
		agencies concerning news or updates related to electronic publishing of			
11-9199 N1	Regulatory Affairs Managers	submissions.	Existing Green New & Emerging	N	Non-Green Task
11 /1//.01	regulatory rirans managers	Formulate or implement regulatory affairs policies and procedures to	Existing Groot New & Emerging	IV	THOIT GIGGII TASK
11 <b>-</b> 9199 በ1	Regulatory Affairs Managers	ensure that regulatory compliance is maintained or enhanced.	Existing Green New & Emerging	N	Non-Green Task
11-2122.UI	Regulatory Arrans Managers	choure that regulatory comphance is maintained of cimaneca.	LAISHING GIEET NEW & ETHEIGHING	IN	INOTEGIECH TASK

O*NET- SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
BOC Code	O REI SOC IIIC	Implement or monitor complaint processing systems to ensure effective	Турс	Green rask	Type of Green Tusk
11-9199.01	Regulatory Affairs Managers	and timely resolution of all complaint investigations.	Existing Green New & Emerging	N	Non-Green Task
	, , , , , , , , , , , , , , , , , , , ,	Investigate product complaints and prepare documentation and			
11-9199.01	Regulatory Affairs Managers	submissions to appropriate regulatory agencies as necessary.	Existing Green New & Emerging	N	Non-Green Task
		Maintain current knowledge of relevant regulations, including proposed	0 0		
11-9199.01	Regulatory Affairs Managers	and final rules.	Existing Green New & Emerging	N	Non-Green Task
		Manage activities such as audits, regulatory agency inspections, or	0 0		
11-9199.01	Regulatory Affairs Managers	product recalls.	Existing Green New & Emerging	N	Non-Green Task
		Monitor emerging trends regarding industry regulations to determine			
11-9199.01	Regulatory Affairs Managers	potential impacts on organizational processes.	Existing Green New & Emerging	N	Non-Green Task
		Participate in the development or implementation of clinical trial			
11-9199.01	Regulatory Affairs Managers	protocols.	Existing Green New & Emerging	N	Non-Green Task
		Provide regulatory guidance to departments or development project teams	3		
		regarding design, development, evaluation, or marketing of products.			
11-9199.01	Regulatory Affairs Managers		Existing Green New & Emerging	N	Non-Green Task
		Provide responses to regulatory agencies regarding product information o	1		
11-9199.01	Regulatory Affairs Managers	issues.	Existing Green New & Emerging	N	Non-Green Task
		Represent organizations before domestic or international regulatory			
		agencies on major policy matters or decisions regarding company			
11-9199.01	Regulatory Affairs Managers	products.	Existing Green New & Emerging	N	Non-Green Task
		Review all regulatory agency submission materials to ensure timeliness,			
		accuracy, comprehensiveness, or compliance with regulatory standards.			
11-9199.01	Regulatory Affairs Managers		Existing Green New & Emerging	N	Non-Green Task
		Review materials such as marketing literature or user manuals to ensure			
	Regulatory Affairs Managers	that regulatory agency requirements are met.	Existing Green New & Emerging	N	Non-Green Task
11-9199.01	Regulatory Affairs Managers	Train staff in regulatory policies or procedures.	Existing Green New & Emerging	N	Non-Green Task
		Develop relationships with state or federal environmental regulatory			
		agencies to learn about and analyze the potential impacts of proposed			
11-9199.01	Regulatory Affairs Managers	environmental policy regulations.	Existing Green New & Emerging	Υ	New Green Task
		Evaluate regulatory affairs aspects that are specifically green, such as the			
		use of toxic substances in packaging, carbon footprinting issues, or green			
11-9199.01	Regulatory Affairs Managers	policy implementation.	Existing Green New & Emerging	Y	New Green Task
		Monitor regulatory affairs activities to ensure that they are aligned with			
11-9199.01	Regulatory Affairs Managers	corporate sustainability or green initiatives.	Existing Green New & Emerging	Y	New Green Task
		Monitor regulatory affairs trends that are related to environmental issues.			
11-9199.01	Regulatory Affairs Managers		Existing Green New & Emerging	Y	New Green Task
		Advise internal management or business partners on the implementation			
11-9199.02	Compliance Managers	or operation of compliance programs.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Collaborate with human resources departments to ensure the			
		implementation of consistent disciplinary action strategies in cases of			
11-9199.02	Compliance Managers	compliance standard violations.	Existing Green New & Emerging	N	Non-Green Task
		Conduct periodic internal reviews or audits to ensure that compliance			
11-9199.02	Compliance Managers	procedures are followed.	Existing Green New & Emerging	N	Non-Green Task
		Consult with corporate attorneys as necessary to address difficult legal			
11-9199.02	Compliance Managers	compliance issues.	Existing Green New & Emerging	N	Non-Green Task
		Design or implement improvements in communication, monitoring, or			
11-9199.02	Compliance Managers	enforcement of compliance standards.	Existing Green New & Emerging	N	Non-Green Task
		Develop risk management strategies based on assessment of product,			
11-9199.02	Compliance Managers	compliance, or operational risks.	Existing Green New & Emerging	N	Non-Green Task
		Direct the development or implementation of policies and procedures			
11-9199.02	Compliance Managers	related to compliance throughout an organization.	Existing Green New & Emerging	N	Non-Green Task
		Discuss emerging compliance issues to ensure that management and			
		employees are informed about compliance reporting systems, policies, an			
11-9199.02	Compliance Managers	practices.	Existing Green New & Emerging	N	Non-Green Task
		Disseminate written policies and procedures related to compliance			
	Compliance Managers	activities.	Existing Green New & Emerging	N	Non-Green Task
	Compliance Managers	File appropriate compliance reports with regulatory agencies.	Existing Green New & Emerging	N	Non-Green Task
11-9199.02	Compliance Managers	Identify compliance issues that require follow-up or investigation.	Existing Green New & Emerging	N	Non-Green Task
		Keep informed regarding pending industry changes, trends, or best			
11-9199.02	Compliance Managers	practices.	Existing Green New & Emerging	N	Non-Green Task
		Maintain documentation of compliance activities, such as complaints			
	Compliance Managers	received or investigation outcomes.	Existing Green New & Emerging	N	Non-Green Task
11-9199.02	Compliance Managers	Monitor compliance systems to ensure their effectiveness.	Existing Green New & Emerging	N	Non-Green Task
		Oversee internal reporting systems, such as corporate compliance hotlines			
11-9199.02	Compliance Managers		Existing Green New & Emerging	N	Non-Green Task
		Prepare management reports regarding compliance operations and			
11-9199.02	Compliance Managers	progress.	Existing Green New & Emerging	N	Non-Green Task
		Provide assistance to internal or external auditors in compliance reviews.			
11-9199.02	Compliance Managers		Existing Green New & Emerging	N	Non-Green Task
		Provide employee training on compliance related topics, policies, or			
11-9199.02	Compliance Managers	procedures.	Existing Green New & Emerging	N	Non-Green Task
		Report violations of compliance or regulatory standards to duly			
11-9199.02	Compliance Managers	authorized enforcement agencies as appropriate or required.	Existing Green New & Emerging	N	Non-Green Task
		Review communications such as securities sales advertising to ensure			
11-9199.02	Compliance Managers	there are no violations of standards or regulations.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Serve as a confidential point of contact for employees to communicate			
		with management, seek clarification on issues or dilemmas, or report			
11-9199.02	Compliance Managers	irregularities.	Existing Green New & Emerging	N	Non-Green Task
		Verify that all regulatory policies and procedures have been documented,			
11-9199.02	Compliance Managers	implemented, and communicated.	Existing Green New & Emerging	N	Non-Green Task
		Verify that software technology is in place to adequately provide			
11-9199.02	Compliance Managers	oversight and monitoring in all required areas.	Existing Green New & Emerging	N	Non-Green Task
		Advise technical professionals on the development or use of			
11-9199.02	Compliance Managers	environmental compliance or reporting tools.	Existing Green New & Emerging	Υ	New Green Task
		Conduct environmental audits to ensure adherence to environmental			
11-9199.02	Compliance Managers	standards.	Existing Green New & Emerging	Υ	New Green Task
		Develop or implement environmental compliance plans for programs,			
		such as air quality, storm water, wastewater treatment, hazardous waste			
		management, pollution prevention, or solid waste management.			
11-9199.02	Compliance Managers		Existing Green New & Emerging	Υ	New Green Task
		Direct environmental programs, such as air or water compliance,			
		aboveground or underground storage tanks, spill prevention or control,			
		hazardous waste or materials management, solid waste recycling, medical			
		waste management, indoor air quality, integrated pest management,			
11-9199.02	Compliance Managers	employee training, or disaster preparedness.	Existing Green New & Emerging	Υ	New Green Task
		Evaluate testing procedures to meet the specifications of environmental			
11-9199.02	Compliance Managers	monitoring programs.	Existing Green New & Emerging	Υ	New Green Task
		Review or modify policies or operating guidelines to comply with			
11-9199.02	Compliance Managers	changes to environmental standards or regulations.	Existing Green New & Emerging	Υ	New Green Task
		Analyze information about supplier performance or procurement program	1		
11-9199.04	Supply Chain Managers	success.	Existing Green New & Emerging	N	Non-Green Task
		Appraise vendor manufacturing capabilities through on-site observations			
11-9199.04	Supply Chain Managers	or other measurements.	Existing Green New & Emerging	N	Non-Green Task
		Confer with supply chain planners to forecast demand or create supply			
11-9199.04	Supply Chain Managers	plans that ensure availability of materials or products.	Existing Green New & Emerging	N	Non-Green Task
		Define performance metrics for measurement, comparison, or evaluation			
11-9199.04	Supply Chain Managers	of supply chain factors, such as product cost or quality.	Existing Green New & Emerging	N	Non-Green Task
		Design or implement plant warehousing strategies for production			
11-9199.04	Supply Chain Managers	materials or finished products.	Existing Green New & Emerging	N	Non-Green Task
		Determine appropriate equipment and staffing levels to load, unload,			
11-9199.04	Supply Chain Managers	move, or store materials.	Existing Green New & Emerging	N	Non-Green Task
		Develop or implement procedures or systems to evaluate or select			
11-9199.04	Supply Chain Managers	suppliers.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Develop procedures for coordination of supply chain management with			
		other functional areas, such as sales, marketing, finance, production, or			
11-9199.04	Supply Chain Managers	quality assurance.	Existing Green New & Emerging	N	Non-Green Task
		Diagram supply chain models to help facilitate discussions with			
11-9199.04	Supply Chain Managers	customers.	Existing Green New & Emerging	N	Non-Green Task
		Document physical supply chain processes, such as workflows, cycle			
	Supply Chain Managers	times, position responsibilities, or system flows.	Existing Green New & Emerging	N	Non-Green Task
11-9199.04	Supply Chain Managers	Forecast material costs or develop standard cost lists.	Existing Green New & Emerging	N	Non-Green Task
		Identify or qualify new suppliers in collaboration with other departments,			
		such as procurement, engineering, or quality assurance.			
11-9199.04	Supply Chain Managers		Existing Green New & Emerging	N	Non-Green Task
		Implement new or improved supply chain processes to improve efficiency	,		
11-9199.04	Supply Chain Managers	or performance.	Existing Green New & Emerging	N	Non-Green Task
		Manage activities related to strategic or tactical purchasing, material			
		requirements planning, controlling inventory, warehousing, or receiving.			
11-9199.04	Supply Chain Managers		Existing Green New & Emerging	N	Non-Green Task
		Meet with suppliers to discuss performance metrics, to provide			
		performance feedback, or to discuss production forecasts or changes.			
11-9199.04	Supply Chain Managers		Existing Green New & Emerging	N	Non-Green Task
		Monitor forecasts and quotas to identify changes and predict effects on			
11-9199.04	Supply Chain Managers	supply chain activities.	Existing Green New & Emerging	N	Non-Green Task
		Monitor suppliers activities to assess performance in meeting quality or			
11-9199.04	Supply Chain Managers	delivery requirements.	Existing Green New & Emerging	N	Non-Green Task
		Negotiate prices and terms with suppliers, vendors, or freight forwarders.			
11-9199.04	Supply Chain Managers		Existing Green New & Emerging	N	Non-Green Task
		Participate in the coordination of engineering changes, product line			
		extensions, or new product launches to ensure orderly and timely			
11-9199.04	Supply Chain Managers	transitions in material or production flow.	Existing Green New & Emerging	N	Non-Green Task
		Select transportation routes to maximize economy by combining			
11-9199.04	Supply Chain Managers	shipments or consolidating warehousing and distribution.	Existing Green New & Emerging	N	Non-Green Task
		Design or implement supply chains that support business strategies			
		adapted to changing market conditions, business opportunities,			
11-9199.04	Supply Chain Managers	environmental policies, or cost reduction strategies.	Existing Green New & Emerging	Υ	Existing Green Task
		Analyze inventories to determine how to increase inventory turns, reduce			
11-9199.04	Supply Chain Managers	waste, or optimize customer service.	Existing Green New & Emerging	Υ	Existing Green Task
	-	Conduct or oversee the conduct of life cycle analyses to determine the			_
11-9199.04	Supply Chain Managers	environmental impacts of products, processes, or systems.	Existing Green New & Emerging	Y	New Green Task

O*NET- SOC Code	O*NET COC T:4.	Task	Temp	Cross Took	Type of Cheen Took
SOC Code	O*NET-SOC Title	Design, implement, or oversee product take back or reverse logistics	Type	Green Task	Type of Green Task
		programs to ensure products are recycled, reused, or responsibly disposed			
11-9199 04	Supply Chain Managers	programs to ensure products are recycled, reased, or responsiony disposed	Existing Green New & Emerging	Υ	New Green Task
11-7177.04	Supply Chain Managers	Evaluate and select information or other technology solutions to improve	Existing Green New & Emerging	'	New Green Task
		tracking and reporting of materials or products distribution, storage, or			
11 0100 04	Supply Chain Managers	inventory.	Existing Green New & Emerging	Υ	New Green Task
11-7177.04	Supply Chain Managers	Identify opportunities to reuse or recycle materials to minimize	Existing Green New & Emerging	ı	New Green rask
		consumption of new materials, minimize waste, or to convert wastes to by			
11 0100 04	Supply Chain Managers	products.	Existing Green New & Emerging	Υ	New Green Task
11-9199.04	Supply Chain Managers	Investigate or review the carbon footprints and environmental	Existing Green New & Emerging	Ť	New Green Task
		performance records of current or potential storage and distribution			
11 0100 04	Symply Chain Managana	service providers.	Eviatia a Casaa Naw 8 Espansia	V	Now Cross Tools
11-9199.04	Supply Chain Managers		Existing Green New & Emerging	Y	New Green Task
11 0100 04	Symply Chain Managana	Locate or select biodegradable, non-toxic, or other environmentally friendly raw materials for manufacturing processes.	Eviatia a Casaa Naw 8 Espansia	Υ	Now Cross Tools
11-9199.04	Supply Chain Managers	Review or update supply chain practices in accordance with new or	Existing Green New & Emerging	Y	New Green Task
11 0100 04	Symply Chain Managana	changing environmental policies, standards, regulations, or laws.	Eviatia a Casaa Naw 8 Espansia	V	Now Cross Tools
11-9199.04	Supply Chain Managers		Existing Green New & Emerging	Y	New Green Task
11 0100 06	Ti-ti M	Analyze the financial impact of proposed logistics changes, such as routing, shipping modes, product volumes or mixes, or carriers.	Friedra - Oraca Nama 8 Francis		New Owner Teels
11-9199.06	Logistics Managers		Existing Green New & Emerging	N	Non-Green Task
		Collaborate with other departments to integrate logistics with business			
44.0400.05		systems or processes, such as customer sales, order management,			
	Logistics Managers	accounting, or shipping.	Existing Green New & Emerging	N	Non-Green Task
	Logistics Managers	Create policies or procedures for logistics activities.	Existing Green New & Emerging	N	Non-Green Task
11-9199.06	Logistics Managers	Design models for use in evaluating logistics programs or services.	Existing Green New & Emerging	N	Non-Green Task
		Develop risk management programs to ensure continuity of supply in			
11-9199.06	Logistics Managers	emergency scenarios.	Existing Green New & Emerging	N	Non-Green Task
		Direct distribution center operation to ensure achievement of cost,			
11-9199.06	Logistics Managers	productivity, accuracy, or timeliness objectives.	Existing Green New & Emerging	N	Non-Green Task
		Direct inbound or outbound logistics operations, such as transportation or			
		warehouse activities, safety performance, or logistics quality management			
11-9199.06	Logistics Managers		Existing Green New & Emerging	N	Non-Green Task
		Ensure carrier compliance with company policies or procedures for			
11-9199.06	Logistics Managers	product transit or delivery.	Existing Green New & Emerging	N	Non-Green Task
		Establish or monitor specific supply chain-based performance			
11-9199.06	Logistics Managers	measurement systems.	Existing Green New & Emerging	N	Non-Green Task
		Implement specific customer requirements, such as internal reporting or			
11-9199.06	Logistics Managers	customized transportation metrics.	Existing Green New & Emerging	N	Non-Green Task
		Maintain metrics, reports, process documentation, customer service logs,			
11-9199.06	Logistics Managers	or training or safety records.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Monitor product import or export processes to ensure compliance with			
11-9199.06	Logistics Managers	regulatory or legal requirements.	Existing Green New & Emerging	N	Non-Green Task
11-9199.06	Logistics Managers	Negotiate transportation rates or services.	Existing Green New & Emerging	N	Non-Green Task
		Participate in carrier management processes, such as selection,			
11-9199.06	Logistics Managers	qualification, or performance evaluation.	Existing Green New & Emerging	N	Non-Green Task
		Plan or implement improvements to internal or external logistics systems			
11-9199.06	Logistics Managers	or processes.	Existing Green New & Emerging	N	Non-Green Task
		Plan or implement material flow management systems to meet production			
11-9199.06	Logistics Managers	requirements.	Existing Green New & Emerging	N	Non-Green Task
		Recommend optimal transportation modes, routing, equipment, or			
11-9199.06	Logistics Managers	frequency.	Existing Green New & Emerging	N	Non-Green Task
		Recommend purchase of new or improved technology, such as automated			
11-9199.06	Logistics Managers	systems.	Existing Green New & Emerging	N	Non-Green Task
		Resolve problems concerning transportation, logistics systems, imports o			
11-9199.06	Logistics Managers	exports, or customer issues.	Existing Green New & Emerging	N	Non-Green Task
11-9199.06	Logistics Managers	Supervise the work of logistics specialists, planners, or schedulers.	Existing Green New & Emerging	N	Non-Green Task
		Train shipping department personnel in roles or responsibilities regarding			
11-9199.06	Logistics Managers	global logistics strategies.	Existing Green New & Emerging	N	Non-Green Task
		Analyze all aspects of corporate logistics to determine the most cost-			
		effective or efficient means of transporting products or supplies.			
11-9199.06	Logistics Managers		Existing Green New & Emerging	Υ	Existing Green Task
		Communicate freight transportation information to customers or supplier			
		using transportation management, electronic logistics marketplace, or			
		electronic freight information systems, to improve efficiency, speed, or			
11-9199.06	Logistics Managers	quality of transportation services.	Existing Green New & Emerging	Y	New Green Task
-		Conduct or review environmental audits for logistics activities, such as			
11-9199.06	Logistics Managers	storage, distribution, or transportation.	Existing Green New & Emerging	Υ	New Green Task
		Develop plans or set goals to reduce carbon emissions associated with			
11-9199.06	Logistics Managers	storage or transport activities.	Existing Green New & Emerging	Υ	New Green Task
		Direct or coordinate comprehensive logistical or reverse logistical	3 3		
		functions for product life cycles, including acquisition, distribution,			
		internal allocation, delivery, recycling, reuse, or final disposal of			
11-9199.06	Logistics Managers	resources.	Existing Green New & Emerging	Y	New Green Task
	<i>C</i>	Implement or monitor carbon or environmental management, accounting			
11-9199.06	Logistics Managers	or audit systems.	Existing Green New & Emerging	Y	New Green Task
		Negotiate with suppliers or customers to improve supply chain efficiency		•	
11-9199.06	Logistics Managers	or sustainability.	Existing Green New & Emerging	Y	New Green Task
	Logistics Managers  Logistics Managers	Prepare or file environmental certification applications.	Existing Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Review global, national, or regional transportation or logistics reports for			
		ways to improve efficiency or minimize the environmental impact of			
11-9199.06	Logistics Managers	logistics activities.	Existing Green New & Emerging	Y	New Green Task
		Develop processes or procedures for wind operations, including			
11-9199.09	Wind Energy Operations Managers	transitioning from construction to commercial operations.	New Green New & Emerging	Y	New Green Task
		Develop relationships and communicate with customers, site managers,			
		developers, land owners, authorities, utility representatives, or residents.			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Establish goals, objectives, or priorities for wind field operations.			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Estimate costs associated with operations, including repairs or preventive			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Maintain operations records, such as work orders, site inspection forms,			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Manage warranty repair or replacement services.			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Monitor and maintain records of daily facility operations.			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Order parts, tools, or equipment needed to maintain, restore, or improve			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Oversee the maintenance of wind field equipment or structures, such as			
		towers, transformers, electrical collector systems, roadways, or other site			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Prepare wind field operational budgets.			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Provide technical support to wind field customers, employees, or			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Recruit or select wind operations employees, contractors, or			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Review, negotiate, or approve wind farm contracts.			
11-9199.09	Wind Energy Operations Managers		New Green New & Emerging	Y	New Green Task
		Supervise employees or subcontractors to ensure quality of work or			
11-9199.09	Wind Energy Operations Managers	adherence to safety regulations or policies.	New Green New & Emerging	Y	New Green Task
		Track and maintain records for wind operations, such as site performance			
11-9199.09	Wind Energy Operations Managers	downtime events, parts usage, or substation events.	New Green New & Emerging	Y	New Green Task
		Train or coordinate the training of employees in operations, safety,			
11-9199.09	Wind Energy Operations Managers	environmental issues, or technical issues.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Coordinate or direct development, energy assessment, engineering, or			
		construction activities to ensure that wind project needs and objectives an	re		
11-9199.10	Wind Energy Project Managers	met.	New Green New & Emerging	Υ	New Green Task
		Create wind energy project plans, including project scope, goals, tasks,			
		resources, schedules, costs, contingencies, or other project information.			
11-9199.10	Wind Energy Project Managers		New Green New & Emerging	Υ	New Green Task
		Develop scope of work for wind project functions, such as design, site			
		assessment, environmental studies, surveying, or field support services.			
11-9199.10	Wind Energy Project Managers		New Green New & Emerging	Y	New Green Task
		Lead or support negotiations involving tax agreements or abatements,			
		power purchase agreements, land use, or interconnection agreements.			
11-9199.10	Wind Energy Project Managers		New Green New & Emerging	Υ	New Green Task
11-9199.10	Wind Energy Project Managers	Manage site assessments or environmental studies for wind fields.	New Green New & Emerging	Y	New Green Task
11-9199.10	Wind Energy Project Managers	Manage wind project costs to stay within budget limits.	New Green New & Emerging	Y	New Green Task
		Prepare or assist in the preparation of applications for environmental,			
11-9199.10	Wind Energy Project Managers	building, or other required permits.	New Green New & Emerging	Υ	New Green Task
		Prepare requests for proposals (RFPs) for wind project construction or			
11-9199.10	Wind Energy Project Managers	equipment acquisition.	New Green New & Emerging	Υ	New Green Task
11-9199.10	Wind Energy Project Managers	Prepare wind project documentation, including diagrams or layouts.	New Green New & Emerging	Y	New Green Task
		Provide technical support for the design, construction, or commissioning			
11-9199.10	Wind Energy Project Managers	of wind farm projects.	New Green New & Emerging	Υ	New Green Task
		Provide verbal or written project status reports to project teams,			
11-9199.10	Wind Energy Project Managers	management, subcontractors, customers, or owners.	New Green New & Emerging	Υ	New Green Task
		Review civil design, engineering, or construction technical documentation	n		
		to ensure compliance with applicable government or industrial codes,			
11-9199.10	Wind Energy Project Managers	standards, requirements, or regulations.	New Green New & Emerging	Υ	New Green Task
		Review or evaluate proposals or bids to make recommendations regarding	g		
11-9199.10	Wind Energy Project Managers	awarding of contracts.	New Green New & Emerging	Υ	New Green Task
		Supervise the work of subcontractors or consultants to ensure quality and			
11-9199.10	Wind Energy Project Managers	conformance to specifications or budgets.	New Green New & Emerging	Υ	New Green Task
		Update schedules, estimates, forecasts, or budgets for wind projects.			
11-9199.10	Wind Energy Project Managers		New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Conduct feasibility or cost-benefit studies for environmental remediation			
	Specialists and Site Managers	projects.	New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Conduct quantitative risk assessments for human health, environmental,			
	Specialists and Site Managers	or other risks.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Coordinate on-site activities for environmental cleanup or remediation			
	Brownfield Redevelopment	projects to ensure compliance with environmental laws, standards,			
11-9199.11	Specialists and Site Managers	regulations, or other requirements.	New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Coordinate the disposal of hazardous waste.			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Design or conduct environmental restoration studies.			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Υ	New Green Task
		Design or implement measures to improve the water, air, and soil quality			
	Brownfield Redevelopment	of military test sites, abandoned mine land, or other contaminated sites.			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Design or implement plans for structural demolition and debris removal.			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Design or implement plans for surface or ground water remediation.			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Develop or implement plans for revegetation of brownfield sites.			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Υ	New Green Task
		Develop or implement plans for the sustainable regeneration of			
	Brownfield Redevelopment	brownfield sites to ensure regeneration of a wider area by providing			
11-9199.11	Specialists and Site Managers	environmental protection or economic and social benefits.	New Green New & Emerging	Y	New Green Task
	Brownfield Redevelopment	Estimate costs for environmental cleanup and remediation of land			
11-9199.11	Specialists and Site Managers	redevelopment projects.	New Green New & Emerging	Y	New Green Task
	Brownfield Redevelopment	Identify environmental contamination sources.			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Y	New Green Task
	Brownfield Redevelopment	Inspect sites to assess environmental damage or monitor cleanup progress			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Y	New Green Task
	Brownfield Redevelopment	Maintain records of decisions, actions, and progress related to			
11-9199.11	Specialists and Site Managers	environmental redevelopment projects.	New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Negotiate contracts for services or materials needed for environmental			
11-9199.11	Specialists and Site Managers	remediation.	New Green New & Emerging	Υ	New Green Task
		Plan or implement brownfield redevelopment projects to ensure safety,			
	Brownfield Redevelopment	quality, and compliance with applicable standards or requirements.			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Y	New Green Task
	Brownfield Redevelopment	Prepare and submit permit applications for demolition, cleanup,	3 3		
11-9199.11	Specialists and Site Managers	remediation, or construction projects.	New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Prepare reports or presentations to communicate brownfield	3 3		
11-9199.11	Specialists and Site Managers	redevelopment needs, status, or progress.	New Green New & Emerging	Y	New Green Task
	Brownfield Redevelopment	Provide expert witness testimony on issues such as soil, air, or water			202
11-9199 11	Specialists and Site Managers	contamination and associated cleanup measures.	New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Brownfield Redevelopment	Provide training on hazardous material or waste cleanup procedures and			
11-9199.11	Specialists and Site Managers	technologies.	New Green New & Emerging	Υ	New Green Task
	Brownfield Redevelopment	Review or evaluate designs for contaminant treatment or disposal			
11-9199.11	Specialists and Site Managers	facilities.	New Green New & Emerging	Y	New Green Task
	Brownfield Redevelopment	Review or evaluate environmental remediation project proposals.			
11-9199.11	Specialists and Site Managers		New Green New & Emerging	Y	New Green Task
	Wholesale and Retail Buyers,	Authorize payment of invoices or return of merchandise.			
13-1022.00	Except Farm Products		Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Buy merchandise or commodities for resale to wholesale or retail			
13-1022.00	Except Farm Products	consumers.	Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Collaborate with vendors to obtain or develop desired products.			
13-1022.00	Except Farm Products		Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Conduct sales meetings to introduce new merchandise.			
13-1022.00	Except Farm Products		Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Consult with store or merchandise managers about budgets or goods to be			
13-1022.00	Except Farm Products	purchased.	Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Determine which products should be featured in advertising, the			
13-1022.00	Except Farm Products	advertising medium to be used, or when the ads should be run.	Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Inspect merchandise or products to determine quality, value, or yield.			
13-1022.00	Except Farm Products		Green Enhanced Skills	N	Non-Green Task
		Monitor and analyze sales records, trends, or economic conditions to			
	Wholesale and Retail Buyers,	anticipate consumer buying patterns and determine what the company			
13-1022.00	Except Farm Products	will sell and how much inventory is needed.	Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Monitor competitors' sales activities by following their advertisements in			
13-1022.00	Except Farm Products	newspapers or other media.	Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Negotiate prices, discount terms, or transportation arrangements with			
13-1022.00	Except Farm Products	suppliers.	Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Obtain information about customer needs or preferences by conferring			
13-1022.00	Except Farm Products	with sales or purchasing personnel.	Green Enhanced Skills	N	Non-Green Task
		Provide clerks with information to print on price tags, such as price, mark	†		
	Wholesale and Retail Buyers,	ups or mark-downs, manufacturer number, season code, or style number.			
13-1022.00	Except Farm Products		Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Recommend mark-up rates, markdown rates, or merchandise selling			
13-1022.00	Except Farm Products	prices.	Green Enhanced Skills	N	Non-Green Task
	Wholesale and Retail Buyers,	Train or supervise sales or clerical staff.			
13-1022.00	Except Farm Products		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Examine, select, order, or purchase merchandise consistent with quality,			
	Wholesale and Retail Buyers,	quantity, specification requirements, or other factors, such as			
13-1022.00	Except Farm Products	environmental soundness.	Green Enhanced Skills	Υ	Existing Green Task
	Wholesale and Retail Buyers,	Analyze environmental aspects of competing merchandise when making			
13-1022.00	Except Farm Products	buying decisions.	Green Enhanced Skills	Υ	New Green Task
	Wholesale and Retail Buyers,	Compare transportation options to determine the most energy efficient			
13-1022.00	Except Farm Products	options.	Green Enhanced Skills	Υ	New Green Task
	Wholesale and Retail Buyers,	Develop strategies to advertise green products or merchandise to			
13-1022.00	Except Farm Products	consumers.	Green Enhanced Skills	Υ	New Green Task
	Wholesale and Retail Buyers,	Identify opportunities to buy green commodities, such as alternative			
13-1022.00	Except Farm Products	energy, water, or carbon-neutral products for resale to consumers.	Green Enhanced Skills	Υ	New Green Task
	Wholesale and Retail Buyers,	Monitor consumer preferences or environmental trends to determine the			
13-1022.00	Except Farm Products	best way to introduce new green products.	Green Enhanced Skills	Υ	New Green Task
		Advise project teams on subjects such as premarket regulatory			
		requirements, export and labeling requirements, or clinical study			
13-1041.07	Regulatory Affairs Specialists	compliance issues.	Existing Green New & Emerging	N	Non-Green Task
		Communicate with regulatory agencies regarding pre-submission			
		strategies, potential regulatory pathways, compliance test requirements, o	r		
		clarification and follow-up of submissions under review.			
13-1041.07	Regulatory Affairs Specialists		Existing Green New & Emerging	N	Non-Green Task
		Compile and maintain regulatory documentation databases or systems.			
13-1041.07	Regulatory Affairs Specialists		Existing Green New & Emerging	N	Non-Green Task
		Coordinate efforts associated with the preparation of regulatory			
13-1041.07	Regulatory Affairs Specialists	documents or submissions.	Existing Green New & Emerging	N	Non-Green Task
13-1041.07	Regulatory Affairs Specialists	Coordinate recall or market withdrawal activities as necessary.	Existing Green New & Emerging	N	Non-Green Task
		Coordinate, prepare, or review regulatory submissions for domestic or			
13-1041.07	Regulatory Affairs Specialists	international projects.	Existing Green New & Emerging	N	Non-Green Task
		Determine the types of regulatory submissions or internal documentation			
		that are required in situations such as proposed device changes or labeling	9		
13-1041.07	Regulatory Affairs Specialists	changes.	Existing Green New & Emerging	N	Non-Green Task
13-1041.07	Regulatory Affairs Specialists	Develop or conduct employee regulatory training.	Existing Green New & Emerging	N	Non-Green Task
13-1041.07	Regulatory Affairs Specialists	Develop or track quality metrics.	Existing Green New & Emerging	N	Non-Green Task
		Direct the collection and preparation of laboratory samples as requested			
13-1041.07	Regulatory Affairs Specialists	by regulatory agencies.	Existing Green New & Emerging	N	Non-Green Task
	-	Identify relevant guidance documents, international standards, or			
13-1041.07	Regulatory Affairs Specialists	consensus standards.	Existing Green New & Emerging	N	Non-Green Task
	1	Interpret regulatory rules or rule changes and ensure that they are	5 2 2 2 3 3 3		
13-1041 07	Regulatory Affairs Specialists	communicated through corporate policies and procedures.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Maintain current knowledge base of existing and emerging regulations,			
13-1041.07	Regulatory Affairs Specialists	standards, or guidance documents.	Existing Green New & Emerging	N	Non-Green Task
		Obtain and distribute updated information regarding domestic or			
13-1041.07	Regulatory Affairs Specialists	international laws, guidelines, or standards.	Existing Green New & Emerging	N	Non-Green Task
13-1041.07	Regulatory Affairs Specialists	Participate in internal or external audits.	Existing Green New & Emerging	N	Non-Green Task
		Prepare or direct the preparation of additional information or responses as	3		
13-1041.07	Regulatory Affairs Specialists	requested by regulatory agencies.	Existing Green New & Emerging	N	Non-Green Task
		Prepare or maintain technical files as necessary to obtain and sustain			
13-1041.07	Regulatory Affairs Specialists	product approval.	Existing Green New & Emerging	N	Non-Green Task
		Prepare responses to customer requests for information, such as product			
		data, written regulatory affairs statements, surveys, or questionnaires.			
13-1041.07	Regulatory Affairs Specialists		Existing Green New & Emerging	N	Non-Green Task
		Provide pre-, ongoing, and post-inspection follow-up assistance to			
13-1041.07	Regulatory Affairs Specialists	governmental inspectors.	Existing Green New & Emerging	N	Non-Green Task
		Provide technical review of data or reports that will be incorporated into			
		regulatory submissions to assure scientific rigor, accuracy, and clarity of			
13-1041.07	Regulatory Affairs Specialists	presentation.	Existing Green New & Emerging	N	Non-Green Task
13-1041.07	Regulatory Affairs Specialists	Recommend adjudication of product complaints.	Existing Green New & Emerging	N	Non-Green Task
		Recommend changes to company procedures in response to changes in			
13-1041.07	Regulatory Affairs Specialists	regulations or standards.	Existing Green New & Emerging	N	Non-Green Task
		Review adverse drug reactions and file all related reports in accordance			
13-1041.07	Regulatory Affairs Specialists	with regulatory agency guidelines.	Existing Green New & Emerging	N	Non-Green Task
		Review clinical protocols to ensure collection of data needed for			
13-1041.07	Regulatory Affairs Specialists	regulatory submissions.	Existing Green New & Emerging	N	Non-Green Task
		Review product promotional materials, labeling, batch records,			
		specification sheets, or test methods for compliance with applicable			
13-1041.07	Regulatory Affairs Specialists	regulations and policies.	Existing Green New & Emerging	N	Non-Green Task
		Write or update standard operating procedures, work instructions, or			
13-1041.07	Regulatory Affairs Specialists	policies.	Existing Green New & Emerging	N	Non-Green Task
		Determine regulations or procedures related to the management,			
13-1041.07	Regulatory Affairs Specialists	collection, reuse, recovery, or recycling of packaging waste.	Existing Green New & Emerging	Υ	New Green Task
		Determine requirements applying to treatment, storage, shipment, or			
13-1041.07	Regulatory Affairs Specialists	disposal of potentially hazardous production-related waste.	Existing Green New & Emerging	Y	New Green Task
		Determine the effects of legal requirements related to the production,			
		supply, or use of ozone-depleting substances or equipment containing			
13-1041.07	Regulatory Affairs Specialists	such substances.	Existing Green New & Emerging	Υ	New Green Task
		Monitor national or international legislation on ozone-depleting			
13-1041.07	Regulatory Affairs Specialists	substances or global warming.	Existing Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Obtain clearances for the use of recycled plastics in product packaging.			
13-1041.07	Regulatory Affairs Specialists		Existing Green New & Emerging	Y	New Green Task
		Specialize in regulatory issues related to agriculture, such as the			
		cultivation of green biotechnology crops or the post-market regulation of			
13-1041.07	Regulatory Affairs Specialists	genetically altered crops.	Existing Green New & Emerging	Y	New Green Task
		Assess training needs through surveys, interviews with employees, focus groups, or consultation with managers, instructors, or customer			
12 1072 00	Training and Development Specialists	representatives.	Crean Enhanced Skills	NI NI	Non Cross Tools
13-10/3.00	Specialists	-	Green Enhanced Skills	N	Non-Green Task
	Tarinia and Dandanant	Attend meetings or seminars to obtain information for use in training programs or to inform management of training program status.			
13 1073 00	Training and Development Specialists	programs or to inform management of training program status.	Green Enhanced Skills	N	Non-Green Task
13-1073.00	Training and Development	Coordinate recruitment and placement of training program participants.	Green Ennanced Skills	IN	Non-Green rask
13-1073 00	Specialists	coordinate recruitment and pracement of training program participants.	Green Enhanced Skills	N	Non-Green Task
13 1073.00	Training and Development	Design, plan, organize, or direct orientation and training programs for	Green Ennanced Grins	11	Non Green rask
13-1073.00	Specialists	employees or customers.	Green Enhanced Skills	N	Non-Green Task
	Training and Development	Develop alternative training methods if expected improvements are not			Tron Green ruen
13-1073.00	Specialists	seen.	Green Enhanced Skills	N	Non-Green Task
	Training and Development	Devise programs to develop executive potential among employees in			
13-1073.00	Specialists	lower-level positions.	Green Enhanced Skills	N	Non-Green Task
	Training and Development	Evaluate training materials prepared by instructors, such as outlines, text,			
13-1073.00	Specialists	or handouts.	Green Enhanced Skills	N	Non-Green Task
	Training and Development	Keep up with developments in area of expertise by reading current			
13-1073.00	Specialists	journals, books, or magazine articles.	Green Enhanced Skills	N	Non-Green Task
	Training and Development	Monitor training costs and prepare budget reports to justify expenditures.			
13-1073.00	Specialists		Green Enhanced Skills	N	Non-Green Task
	Training and Development	Monitor, evaluate, or record training activities or program effectiveness.			
13-1073.00	Specialists		Green Enhanced Skills	N	Non-Green Task
12 1072 00	Training and Development	Negotiate contracts with clients including desired training outcomes, fees			
13-10/3.00	Specialists	or expenses.	Green Enhanced Skills	N	Non-Green Task
12 1072 00	Training and Development Specialists	Obtain, organize, or develop training procedure manuals, guides, or course materials, such as handouts or visual materials.	Crean Enhanced Chille	NI NI	Non Cross Tools
13-10/3.00	Training and Development	Offer specific training programs to help workers maintain or improve job	Green Enhanced Skills	N	Non-Green Task
13-1073 00	Specialists	skills.	Green Enhanced Skills	N	Non-Green Task
13-10/3.00	Specialists	Present information using a variety of instructional techniques or formats,		IN	NOIT-GIEEII TASK
	Training and Development	such as role playing, simulations, team exercises, group discussions,	,		
13-1073.00		videos, or lectures.	Green Enhanced Skills	N	Non-Green Task
13-1073.00	Training and Development Specialists		Green Enhanced Skills	N	Non-Gree

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Refer trainees to employer relations representatives, to locations offering			
	Training and Development	job placement assistance, or to appropriate social services agencies if			
13-1073.00	Specialists	warranted.	Green Enhanced Skills	N	Non-Green Task
	Training and Development	Schedule classes based on availability of classrooms, equipment, or			
13-1073.00	Specialists	instructors.	Green Enhanced Skills	N	Non-Green Task
	Training and Development	Select and assign instructors to conduct training.			
13-1073.00	Specialists		Green Enhanced Skills	N	Non-Green Task
	Training and Development	Supervise, evaluate, or refer instructors to skill development classes.			
13-1073.00	Specialists		Green Enhanced Skills	N	Non-Green Task
	Training and Development	Develop or implement training programs related to efficiency, recycling,			
13-1073.00	Specialists	or other issues with environmental impacts.	Green Enhanced Skills	Υ	New Green Task
		Evaluate modes of training delivery, such as in-person or virtual to			
	Training and Development	optimize training effectiveness, training costs, or environmental impacts.			
13-1073.00	Specialists		Green Enhanced Skills	Υ	New Green Task
		Analyze or interpret logistics data involving customer service, forecasting			
		procurement, manufacturing, inventory, transportation, or warehousing.			
13-1081.01	Logistics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Apply logistics modeling techniques to address issues such as operational			
13-1081.01	Logistics Engineers	process improvement or facility design or layout.	Existing Green New & Emerging	N	Non-Green Task
		Conduct logistics studies or analyses, such as time studies, zero-base	0 0		
		analyses, rate analyses, network analyses, flow-path analyses, or supply			
13-1081.01	Logistics Engineers	chain analyses.	Existing Green New & Emerging	N	Non-Green Task
	Logistics Engineers	Design plant distribution centers.	Existing Green New & Emerging	N	Non-Green Task
		Determine feasibility of designing new facilities or modifying existing	0 0		
		facilities, based on factors such as cost, available space, schedule,			
13-1081.01	Logistics Engineers	technical requirements, or ergonomics.	Existing Green New & Emerging	N	Non-Green Task
		Determine logistics support requirements, such as facility details, staffing	0 0		
13-1081.01	Logistics Engineers	needs, or safety or maintenance plans.	Existing Green New & Emerging	N	Non-Green Task
	2 2	Develop logistic metrics, internal analysis tools, or key performance			
13-1081.01	Logistics Engineers	indicators for business units.	Existing Green New & Emerging	N	Non-Green Task
	Logistics Engineers	Develop or maintain cost estimates, forecasts, or cost models.	Existing Green New & Emerging	N	Non-Green Task
	0 0	Develop specifications for equipment, tools, facility layouts, or material-			
13-1081.01	Logistics Engineers	handling systems.	Existing Green New & Emerging	N	Non-Green Task
	Logistics Engineers	Direct the work of logistics analysts.	Existing Green New & Emerging	N	Non-Green Task
	Logistics Engineers	Evaluate effectiveness of current or future logistical processes.	Existing Green New & Emerging	N	Non-Green Task
1001.01		Identify cost-reduction or process-improvement logistic opportunities.		1	Groom raok
12 1001 01	Logistics Engineers		Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Identify or develop business rules or standard operating procedures to			
13-1081.01	Logistics Engineers	streamline operating processes.	Existing Green New & Emerging	N	Non-Green Task
		Interview key staff or tour facilities to identify efficiency-improvement,			
13-1081.01	Logistics Engineers	cost-reduction, or service-delivery opportunities.	Existing Green New & Emerging	N	Non-Green Task
		Prepare logistic strategies or conceptual designs for production facilities.			
13-1081.01	Logistics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Prepare or validate documentation on automated logistics or maintenance	-		
13-1081.01	Logistics Engineers	data reporting or management information systems.	Existing Green New & Emerging	N	Non-Green Task
13-1081.01	Logistics Engineers	Propose logistics solutions for customers.	Existing Green New & Emerging	N	Non-Green Task
		Provide logistical facility or capacity planning analyses for distribution or	r		
13-1081.01	Logistics Engineers	transportation functions.	Existing Green New & Emerging	N	Non-Green Task
		Review contractual commitments, customer specifications, or related			
13-1081.01	Logistics Engineers	information to determine logistics or support requirements.	Existing Green New & Emerging	N	Non-Green Task
		Provide logistics technology or information for effective and efficient			
		support of product, equipment, or system manufacturing or service.			
13-1081.01	Logistics Engineers		Existing Green New & Emerging	Y	Existing Green Task
		Assess the environmental impact or energy efficiency of logistics			
13-1081.01	Logistics Engineers	activities, using carbon mitigation software.	Existing Green New & Emerging	Y	New Green Task
		Conduct environmental audits for logistics activities, such as storage,			
13-1081.01	Logistics Engineers	distribution, or transportation.	Existing Green New & Emerging	Y	New Green Task
		Create models or scenarios to predict the impact of changing			
		circumstances, such as fuel costs, road pricing, energy taxes, or carbon			
13-1081.01	Logistics Engineers	emissions legislation.	Existing Green New & Emerging	Y	New Green Task
		Design comprehensive supply chains that minimize environmental			
13-1081.01	Logistics Engineers	impacts or costs.	Existing Green New & Emerging	Y	New Green Task
		Determine requirements for compliance with environmental certification			
13-1081.01	Logistics Engineers	standards.	Existing Green New & Emerging	Υ	New Green Task
		Develop or document procedures to minimize or mitigate carbon output			
13-1081.01	Logistics Engineers	resulting from the movement of materials or products.	Existing Green New & Emerging	Y	New Green Task
		Develop or document reverse logistics management processes to ensure			
		maximal efficiency of product recycling, reuse, or final disposal.			
13-1081.01	Logistics Engineers		Existing Green New & Emerging	Y	New Green Task
		Evaluate the use of inventory tracking technology, Web-based			
		warehousing software, or intelligent conveyor systems to maximize plant			
13-1081.01	Logistics Engineers	or distribution center efficiency.	Existing Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Evaluate the use of technologies, such as global positioning systems			
		(GPS), radio-frequency identification (RFID), route navigation software,			
		or satellite linkup systems, to improve transportation efficiency.			
13-1081.01	Logistics Engineers		Existing Green New & Emerging	Υ	New Green Task
		Review global, national, or regional transportation or logistics reports for			
		ways to improve efficiency or minimize the environmental impact of			
13-1081.01	Logistics Engineers	logistics activities.	Existing Green New & Emerging	Υ	New Green Task
		Analyze logistics data, using methods such as data mining, data modeling			
13-1081.02	Logistics Analysts	or cost or benefit analysis.	Existing Green New & Emerging	N	Non-Green Task
		Apply analytic methods or tools to understand, predict, or control logistic	s		
13-1081.02	Logistics Analysts	operations or processes.	Existing Green New & Emerging	N	Non-Green Task
		Communicate with or monitor service providers, such as ocean carriers,			
		air freight forwarders, global consolidators, customs brokers, or trucking			
13-1081.02	Logistics Analysts	companies.	Existing Green New & Emerging	N	Non-Green Task
		Compute reporting metrics, such as on-time delivery rates, order			
13-1081.02	Logistics Analysts	fulfillment rates, or inventory turns.	Existing Green New & Emerging	N	Non-Green Task
		Confer with logistics management teams to determine ways to optimize			
		service levels, maintain supply-chain efficiency, or minimize cost.			
13-1081.02	Logistics Analysts		Existing Green New & Emerging	N	Non-Green Task
13-1081.02	Logistics Analysts	Contact carriers for rates or schedules.	Existing Green New & Emerging	N	Non-Green Task
13-1081.02	Logistics Analysts	Contact potential vendors to determine material availability.	Existing Green New & Emerging	N	Non-Green Task
13-1081.02	Logistics Analysts	Determine packaging requirements.	Existing Green New & Emerging	N	Non-Green Task
		Develop or maintain freight rate databases for use by supply chain			
		departments to determine the most economical modes of transportation.			
13-1081.02	Logistics Analysts		Existing Green New & Emerging	N	Non-Green Task
		Develop or maintain models for logistics uses, such as cost estimating or			
13-1081.02	Logistics Analysts	demand forecasting.	Existing Green New & Emerging	N	Non-Green Task
		Develop or maintain payment systems to ensure accuracy of vendor			
13-1081.02	Logistics Analysts	payments.	Existing Green New & Emerging	N	Non-Green Task
13-1081.02	Logistics Analysts	Enter logistics-related data into databases.	Existing Green New & Emerging	N	Non-Green Task
13-1081.02	Logistics Analysts	Identify opportunities for inventory reductions.	Existing Green New & Emerging	N	Non-Green Task
		Interpret data on logistics elements, such as availability, maintainability,			
		reliability, supply chain management, strategic sourcing or distribution,			
13-1081.02	Logistics Analysts	supplier management, or transportation.	Existing Green New & Emerging	N	Non-Green Task
13-1081.02	Logistics Analysts	Maintain databases of logistics information.	Existing Green New & Emerging	N	Non-Green Task
13-1081.02	Logistics Analysts	Maintain logistics records in accordance with corporate policies.	Existing Green New & Emerging	N	Non-Green Task
		Manage systems to ensure that pricing structures adequately reflect			
13-1081.02	Logistics Analysts	logistics costing.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Monitor industry standards, trends, or practices to identify developments			
13-1081.02	Logistics Analysts	in logistics planning or execution.	Existing Green New & Emerging	N	Non-Green Task
		Monitor inventory transactions at warehouse facilities to assess receiving,			
13-1081.02	Logistics Analysts	storage, shipping, or inventory integrity.	Existing Green New & Emerging	N	Non-Green Task
13-1081.02	Logistics Analysts	Prepare reports on logistics performance measures.	Existing Green New & Emerging	N	Non-Green Task
		Provide ongoing analyses in areas such as transportation costs, parts			
13-1081.02	Logistics Analysts	procurement, back orders, or delivery processes.	Existing Green New & Emerging	N	Non-Green Task
		Recommend improvements to existing or planned logistics processes.			
13-1081.02	Logistics Analysts		Existing Green New & Emerging	N	Non-Green Task
		Review procedures, such as distribution or inventory management, to			
13-1081.02	Logistics Analysts	ensure maximum efficiency or minimum cost.	Existing Green New & Emerging	N	Non-Green Task
13-1081.02	Logistics Analysts	Track product flow from origin to final delivery.	Existing Green New & Emerging	N	Non-Green Task
		Write or revise standard operating procedures for logistics processes.			
13-1081.02	Logistics Analysts		Existing Green New & Emerging	N	Non-Green Task
		Arrange for sale or lease of excess storage or transport capacity to			
13-1081.02	Logistics Analysts	minimize losses or inefficiencies associated with empty space.	Existing Green New & Emerging	Υ	New Green Task
		Compare locations or environmental policies of carriers or suppliers to			
		make transportation decisions with lower environmental impact.			
13-1081.02	Logistics Analysts		Existing Green New & Emerging	Y	New Green Task
		Enter carbon-output or environmental-impact data into spreadsheets or			
		environmental management or auditing software programs.			
13-1081.02	Logistics Analysts		Existing Green New & Emerging	Y	New Green Task
	· ·	Remotely monitor the flow of vehicles or inventory, using Web-based	0 0		
13-1081.02	Logistics Analysts	logistics information systems to track vehicles or containers.	Existing Green New & Emerging	Y	New Green Task
	· ·	Reorganize shipping schedules to consolidate loads, maximize vehicle			
		usage, or limit the movement of empty vehicles or containers.			
13-1081.02	Logistics Analysts		Existing Green New & Emerging	Y	New Green Task
	· ·	Route or reroute drivers in real time with remote route navigation	0 0		
		software, satellite linkup systems, or global positioning systems (GPS) to			
13-1081.02	Logistics Analysts	improve operational efficiencies.	Existing Green New & Emerging	Y	New Green Task
	,	Analyze energy bills including utility rates or tariffs to gather historical			
13-1199.01	Energy Auditors	energy usage data.	Existing Green New & Emerging	Y	Existing Green Task
		Analyze technical feasibility of energy saving measures using knowledge			
		of engineering, energy production, energy use, construction, maintenance			
13-1199.01	Energy Auditors	system operation, or process systems.	Existing Green New & Emerging	Y	Existing Green Task
	Energy Auditors	Calculate potential for energy savings.	Existing Green New & Emerging	Y	Existing Green Task
	Energy Auditors	Collect and analyze field data related to energy usage.	Existing Green New & Emerging	Y	Existing Green Task
	Energy Auditors	Compare existing energy consumption levels to normative data.	Existing Green New & Emerging	Y	Existing Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Determine patterns of building use to show annual or monthly needs for			
13-1199.01	Energy Auditors	heating, cooling, lighting, or other energy needs.	Existing Green New & Emerging	Υ	Existing Green Task
		Educate customers on energy efficiency or answer questions on topics			
		such as the costs of running household appliances or the selection of			
13-1199.01	Energy Auditors	energy efficient appliances.	Existing Green New & Emerging	Υ	Existing Green Task
13-1199.01	Energy Auditors	Identify and prioritize energy saving measures.	Existing Green New & Emerging	Y	Existing Green Task
		Identify opportunities to improve the operation, maintenance, or energy			
13-1199.01	Energy Auditors	efficiency of building or process systems.	Existing Green New & Emerging	Υ	Existing Green Task
		Inspect or evaluate building envelopes, mechanical systems, electrical			
		systems, or process systems to determine the energy consumption of each			
13-1199.01	Energy Auditors	system.	Existing Green New & Emerging	Υ	Existing Green Task
		Measure energy usage with devices such as data loggers, universal data			
		recorders, light meters, sling psychrometers, psychrometric charts, flue			
		gas analyzers, amp-probes, watt meters, volt meters, thermometers, or			
13-1199.01	Energy Auditors	utility meters.	Existing Green New & Emerging	Υ	Existing Green Task
		Oversee installation of equipment such as water heater wraps, pipe			
		insulation, weatherstripping, door sweeps, or low flow showerheads to			
13-1199.01	Energy Auditors	improve energy efficiency.	Existing Green New & Emerging	Υ	Existing Green Task
13-1199.01	Energy Auditors	Perform tests such as blower-door tests to locate air leaks.	Existing Green New & Emerging	Y	Existing Green Task
		Prepare audit reports containing energy analysis results or			
13-1199.01	Energy Auditors	recommendations for energy cost savings.	Existing Green New & Emerging	Υ	Existing Green Task
		Prepare job specification sheets for home energy improvements, such as			
		attic insulation, window retrofits, or heating system upgrades.			
13-1199.01	Energy Auditors		Existing Green New & Emerging	Υ	Existing Green Task
		Quantify energy consumption to establish baselines for energy use or			
13-1199.01	Energy Auditors	need.	Existing Green New & Emerging	Υ	Existing Green Task
		Recommend energy efficient technologies or alternate energy sources.			
13-1199.01	Energy Auditors		Existing Green New & Emerging	Υ	Existing Green Task
		Examine commercial sites to determine the feasibility of installing			
		equipment that allows building management systems to reduce electricity			
13-1199.01	Energy Auditors	consumption during peak demand periods.	Existing Green New & Emerging	Υ	New Green Task
		Identify any health or safety issues related to planned weatherization			
13-1199.01	Energy Auditors	projects.	Existing Green New & Emerging	Υ	New Green Task
		Inspect newly installed energy-efficient equipment to ensure that it was			
		installed properly and is performing according to specifications.			
13-1199.01	Energy Auditors		Existing Green New & Emerging	Υ	New Green Task
		Verify income eligibility of participants in publicly financed			
13-1199.01	Energy Auditors	weatherization programs.	Existing Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Assess or propose sustainability initiatives, considering factors such as			
13-1199.05	Sustainability Specialists	cost effectiveness, technical feasibility, and acceptance.	New Green New & Emerging	Υ	New Green Task
		Collect information about waste stream management or green building			
13-1199.05	Sustainability Specialists	practices to inform decision-makers.	New Green New & Emerging	Υ	New Green Task
		Create marketing or outreach media, such as brochures or web sites, to			
		communicate sustainability issues, procedures, or objectives.			
13-1199.05	Sustainability Specialists		New Green New & Emerging	Y	New Green Task
		Create or maintain plans or other documents related to sustainability			
13-1199.05	Sustainability Specialists	projects.	New Green New & Emerging	Y	New Green Task
		Develop reports or presentations to communicate the effectiveness of			
13-1199.05	Sustainability Specialists	sustainability initiatives.	New Green New & Emerging	Υ	New Green Task
		Develop sustainability project goals, objectives, initiatives, or strategies in			
	Sustainability Specialists	collaboration with other sustainability professionals.	New Green New & Emerging	Y	New Green Task
13-1199.05	Sustainability Specialists	Identify or create new sustainability indicators.	New Green New & Emerging	Υ	New Green Task
		Identify or investigate violations of natural resources, waste management,			
13-1199.05	Sustainability Specialists	recycling, or other environmental policies.	New Green New & Emerging	Υ	New Green Task
		Identify or procure needed resources to implement sustainability programs	•		
13-1199.05	Sustainability Specialists	or projects.	New Green New & Emerging	Υ	New Green Task
		Monitor or track sustainability indicators, such as energy usage, natural			
13-1199.05	Sustainability Specialists	resource usage, waste generation, and recycling.	New Green New & Emerging	Υ	New Green Task
		Provide technical or administrative support for sustainability programs or			
13-1199.05	Sustainability Specialists	issues.	New Green New & Emerging	Υ	New Green Task
		Research or review regulatory, technical, or market issues related to			
13-1199.05	Sustainability Specialists	sustainability.	New Green New & Emerging	Υ	New Green Task
13-1199.05	Sustainability Specialists	Review and revise sustainability proposals or policies.	New Green New & Emerging	Υ	New Green Task
		Write grant applications, rebate applications, or project proposals to			
13-1199.05	Sustainability Specialists	secure funding for sustainability projects.	New Green New & Emerging	Υ	New Green Task
	<u> </u>	Collaborate with investment bankers to attract new corporate clients to	0 0		
13-2051.00	Financial Analysts	securities firms.	Green Enhanced Skills	N	Non-Green Task
		Determine the prices at which securities should be syndicated and offered			
13-2051.00	Financial Analysts	to the public.	Green Enhanced Skills	N	Non-Green Task
		Draw charts and graphs, using computer spreadsheets, to illustrate			
13-2051.00	Financial Analysts	technical reports.	Green Enhanced Skills	N	Non-Green Task
	-	Evaluate and compare the relative quality of various securities in a given			
13-2051.00	Financial Analysts	industry.	Green Enhanced Skills	N	Non-Green Task
	,	Inform investment decisions by analyzing financial information to			
13 2051 00	Financial Analysts	forecast business, industry, or economic conditions.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Interpret data on price, yield, stability, future investment-risk trends,			
		economic influences, and other factors affecting investment programs.			
13-2051.00	Financial Analysts		Green Enhanced Skills	N	Non-Green Task
		Monitor developments in the fields of industrial technology, business,			
13-2051.00	Financial Analysts	finance, and economic theory.	Green Enhanced Skills	N	Non-Green Task
		Monitor fundamental economic, industrial, and corporate developments			
		by analyzing information from financial publications and services,			
		investment banking firms, government agencies, trade publications,			
13-2051.00	Financial Analysts	company sources, or personal interviews.	Green Enhanced Skills	N	Non-Green Task
13-2051.00	Financial Analysts	Prepare plans of action for investment, using financial analyses.	Green Enhanced Skills	N	Non-Green Task
		Present oral or written reports on general economic trends, individual			
13-2051.00	Financial Analysts	corporations, and entire industries.	Green Enhanced Skills	N	Non-Green Task
		Purchase investments for companies in accordance with company policy.			
13-2051.00	Financial Analysts		Green Enhanced Skills	N	Non-Green Task
		Recommend investments and investment timing to companies, investment			
13-2051.00	Financial Analysts	firm staff, or the public.	Green Enhanced Skills	N	Non-Green Task
		Conduct financial analyses related to investments in green construction or			
13-2051.00	Financial Analysts	green retrofitting projects.	Green Enhanced Skills	Y	New Green Task
		Determine the financial viability of alternative energy generation or fuel			
		production systems, based on power source or feedstock quality,			
13-2051.00	Financial Analysts	financing costs, potential revenue, and total project costs.	Green Enhanced Skills	Y	New Green Task
		Evaluate financial viability and potential environmental benefits of			
		cleantech innovations to secure capital investments from sources such as			
13-2051.00	Financial Analysts	venture capital firms and government green fund grants.	Green Enhanced Skills	Υ	New Green Task
		Forecast or analyze financial costs associated with climate change or othe			
		environmental factors, such as clean water supply and demand.			
13-2051.00	Financial Analysts		Green Enhanced Skills	Y	New Green Task
		Identify potential financial investments that are environmentally sound,			
		considering issues such as carbon emissions and biodiversity.			
13-2051.00	Financial Analysts		Green Enhanced Skills	Y	New Green Task
		Research and recommend environmentally-related financial products,			
		such as energy futures, water rights, carbon credits, government			
		environmental funds, and cleantech industry funds and company stocks.			
13-2051.00	Financial Analysts		Green Enhanced Skills	Υ	New Green Task
		Analyze financial information obtained from clients to determine			
13-2052.00	Personal Financial Advisors	strategies for meeting clients' financial objectives.	Green Enhanced Skills	N	Non-Green Task
		Answer clients' questions about the purposes and details of financial plans			
13 2052 00	Personal Financial Advisors	and strategies.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Conduct seminars or workshops on financial planning topics, such as			
		retirement planning, estate planning, or the evaluation of severance			
13-2052.00	Personal Financial Advisors	packages.	Green Enhanced Skills	N	Non-Green Task
		Contact clients periodically to determine any changes in their financial			
13-2052.00	Personal Financial Advisors	status.	Green Enhanced Skills	N	Non-Green Task
		Devise debt liquidation plans that include payoff priorities and timelines.			
13-2052.00	Personal Financial Advisors		Green Enhanced Skills	N	Non-Green Task
		Explain to clients the personal financial advisor's responsibilities and the			
13-2052.00	Personal Financial Advisors	types of services to be provided.	Green Enhanced Skills	N	Non-Green Task
		Guide clients in the gathering of information, such as bank account			
		records, income tax returns, life and disability insurance records, pension			
13-2052.00	Personal Financial Advisors	plans, or wills.	Green Enhanced Skills	N	Non-Green Task
		Implement financial planning recommendations or refer clients to			
13-2052.00	Personal Financial Advisors	someone who can assist them with plan implementation.	Green Enhanced Skills	N	Non-Green Task
		Interview clients to determine their current income, expenses, insurance			
		coverage, tax status, financial objectives, risk tolerance, or other			
13-2052.00	Personal Financial Advisors	information needed to develop a financial plan.	Green Enhanced Skills	N	Non-Green Task
		Investigate available investment opportunities to determine compatibility			
	Personal Financial Advisors	with client financial plans.	Green Enhanced Skills	N	Non-Green Task
13-2052.00	Personal Financial Advisors	Manage client portfolios, keeping client plans up-to-date.	Green Enhanced Skills	N	Non-Green Task
		Meet with clients' other advisors, such as attorneys, accountants, trust			
		officers, or investment bankers, to fully understand clients' financial goals	3		
13-2052.00	Personal Financial Advisors	and circumstances.	Green Enhanced Skills	N	Non-Green Task
		Monitor financial market trends to ensure that client plans are responsive.			
13-2052.00	Personal Financial Advisors		Green Enhanced Skills	N	Non-Green Task
		Open accounts for clients and disburse funds from accounts to creditors			
13-2052.00	Personal Financial Advisors	as agent for clients.	Green Enhanced Skills	N	Non-Green Task
		Prepare or interpret for clients information such as investment			
		performance reports, financial document summaries, or income			
13-2052.00	Personal Financial Advisors	projections.	Green Enhanced Skills	N	Non-Green Task
		Recommend financial products, such as stocks, bonds, mutual funds, or			
13-2052.00	Personal Financial Advisors	insurance.	Green Enhanced Skills	N	Non-Green Task
		Recommend to clients strategies in cash management, insurance coverage	<u>.</u>		
		investment planning, or other areas to help them achieve their financial			
13-2052.00	Personal Financial Advisors	goals.	Green Enhanced Skills	N	Non-Green Task
13-2052.00	Personal Financial Advisors	Recruit and maintain client bases.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Review clients' accounts and plans regularly to determine whether life			
		changes, economic changes, environmental concerns, or financial			
13-2052.00	Personal Financial Advisors	performance indicate a need for plan reassessment.	Green Enhanced Skills	Y	Existing Green Task
		Inform clients about tax benefits, government rebates, or other financial			
		benefits of alternative fuel vehicle purchases or energy efficient home			
13-2052.00	Personal Financial Advisors	construction, improvements, or remodeling.	Green Enhanced Skills	Υ	New Green Task
		Recommend environmentally responsible investments, such as cleantech,			
		alternative energy, or conservation technologies, companies, or funds.			
13-2052.00	Personal Financial Advisors		Green Enhanced Skills	Υ	New Green Task
		Apply mathematical or statistical techniques to address practical issues in			
		finance, such as derivative valuation, securities trading, risk management,			
13-2099.01	Financial Quantitative Analysts	or financial market regulation.	Existing Green New & Emerging	N	Non-Green Task
		Collaborate in the development or testing of new analytical software to			
		ensure compliance with user requirements, specifications, or scope.			
13-2099.01	Financial Quantitative Analysts		Existing Green New & Emerging	N	Non-Green Task
		Collaborate with product development teams to research, model, validate,			
		or implement quantitative structured solutions for new or expanded			
13-2099.01	Financial Quantitative Analysts	markets.	Existing Green New & Emerging	N	Non-Green Task
	, ,	Confer with other financial engineers or analysts to understand trading	0 0		
		strategies, market dynamics, or trading system performance to inform			
13-2099.01	Financial Quantitative Analysts	development of quantitative techniques.	Existing Green New & Emerging	N	Non-Green Task
	, ,	Consult traders or other financial industry personnel to determine the need			
13-2099.01	Financial Quantitative Analysts	for new or improved analytical applications.	Existing Green New & Emerging	N	Non-Green Task
	,	Define or recommend model specifications or data collection methods.			
13-2099.01	Financial Quantitative Analysts	1	Existing Green New & Emerging	N	Non-Green Task
		Develop core analytical capabilities or model libraries, using advanced			
13-2099.01	Financial Quantitative Analysts	statistical, quantitative, or econometric techniques.	Existing Green New & Emerging	N	Non-Green Task
		Devise or apply independent models or tools to help verify results of			
13-2099.01	Financial Quantitative Analysts	analytical systems.	Existing Green New & Emerging	N	Non-Green Task
	Financial Quantitative Analysts	Identify, track, or maintain metrics for trading system operations.	Existing Green New & Emerging	N	Non-Green Task
	Financial Quantitative Analysts	Interpret results of financial analysis procedures.	Existing Green New & Emerging	N	Non-Green Task
	Financial Quantitative Analysts	Maintain or modify all financial analytic models in use.	Existing Green New & Emerging	N	Non-Green Task
	(	Prepare requirements documentation for use by software developers.	5 - 5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
13-2099.01	Financial Quantitative Analysts	1 1	Existing Green New & Emerging	N	Non-Green Task
	Financial Quantitative Analysts	Produce written summary reports of financial research results.	Existing Green New & Emerging	N	Non-Green Task
=======	and the Quantitative of Established	Provide application or analytical support to researchers or traders on			
13-2099 01	Financial Quantitative Analysts	issues such as valuations or data.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Research new financial products or analytics to determine their			
13-2099.01	Financial Quantitative Analysts	usefulness.	Existing Green New & Emerging	N	Non-Green Task
		Research or develop analytical tools to address issues such as portfolio			
		construction or optimization, performance measurement, attribution,			
13-2099.01	Financial Quantitative Analysts	profit and loss measurement, or pricing models.	Existing Green New & Emerging	N	Non-Green Task
13-2099.01	Financial Quantitative Analysts	Develop solutions to help clients hedge carbon exposure or risk.	Existing Green New & Emerging	Υ	New Green Task
13-2099.01	Financial Quantitative Analysts	Analyze pricing or risks of carbon trading products.	Existing Green New & Emerging	Υ	New Green Task
		Assess the potential impact of climate change on business financial issues			
		such as damage repairs, insurance costs, or potential disruptions of daily			
13-2099.01	Financial Quantitative Analysts	activities.	Existing Green New & Emerging	Υ	New Green Task
		Develop methods of assessing or measuring corporate performance in			
		terms of environmental, social, and governance (ESG) issues.			
13-2099.01	Financial Quantitative Analysts		Existing Green New & Emerging	Υ	New Green Task
		Develop tools to be used in the assessment of green technologies or green			
		financial products, such as green hedge funds or social responsibility			
13-2099.01	Financial Quantitative Analysts	investment funds.	Existing Green New & Emerging	Υ	New Green Task
		Analyze areas of potential risk to the assets, earning capacity, or success			
13-2099.02	Risk Management Specialists	of organizations.	Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Analyze new legislation to determine impact on risk exposure.	Existing Green New & Emerging	N	Non-Green Task
		Conduct statistical analyses to quantify risk using statistical analysis			
13-2099.02	Risk Management Specialists	software or econometric models.	Existing Green New & Emerging	N	Non-Green Task
		Confer with traders to identify and communicate risks associated with			
13-2099.02	Risk Management Specialists	specific trading strategies or positions.	Existing Green New & Emerging	N	Non-Green Task
		Consult financial literature to ensure use of the latest models or statistical			
13-2099.02	Risk Management Specialists	techniques.	Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Contribute to development of risk management systems.	Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Develop contingency plans to deal with emergencies.	Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Develop or implement risk-assessment models or methodologies.	Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Devise scenario analyses reflecting possible severe market events.	Existing Green New & Emerging	N	Non-Green Task
		Devise systems or processes to monitor validity of risk assessments.			
13-2099.02	Risk Management Specialists		Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Gather risk-related data from internal or external resources.	Existing Green New & Emerging	N	Non-Green Task
		Identify key risks and mitigating factors of potential investments, such as			
		asset types and values, legal and ownership structures, professional			
	Risk Management Specialists	reputations, customer bases, or industry segments.	Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Maintain input or data quality of risk management systems.	Existing Green New & Emerging	N	Non-Green Task
		Meet with clients to answer queries on subjects such as risk exposure,			
13-2099.02	Risk Management Specialists	market scenarios, or values-at-risk calculations.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Produce reports or presentations that outline findings, explain risk			
13-2099.02	Risk Management Specialists	positions, or recommend changes.	Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Provide statistical modeling advice to other departments.	Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Recommend ways to control or reduce risk.	Existing Green New & Emerging	N	Non-Green Task
13-2099.02	Risk Management Specialists	Review or draft risk disclosures for offer documents.	Existing Green New & Emerging	N	Non-Green Task
		Track, measure, or report on aspects of market risk for traded issues.			
13-2099.02	Risk Management Specialists		Existing Green New & Emerging	N	Non-Green Task
		Determine potential environmental impacts of new products or processes			
13-2099.02	Risk Management Specialists	on long-term growth and profitability.	Existing Green New & Emerging	Υ	New Green Task
		Determine potential liability related to the use of more sustainable			
		methods of product packaging, such as biodegradable food containers.			
13-2099.02	Risk Management Specialists		Existing Green New & Emerging	Υ	New Green Task
		Evaluate the risks and benefits involved in implementing green building			
13-2099.02	Risk Management Specialists	technologies.	Existing Green New & Emerging	Υ	New Green Task
		Evaluate the risks related to green investments, such as renewable energy			
13-2099.02	Risk Management Specialists	company stocks.	Existing Green New & Emerging	Υ	New Green Task
		Advise clients on aspects of capitalization, such as amounts, sources, or			
13-2099.03	Investment Underwriters	timing.	Existing Green New & Emerging	N	Non-Green Task
		Analyze financial or operational performance of companies facing			
13-2099.03	Investment Underwriters	financial difficulties to identify or recommend remedies.	Existing Green New & Emerging	N	Non-Green Task
		Arrange financing of deals from sources such as financial institutions,			
13-2099.03	Investment Underwriters	agencies, or public or private companies.	Existing Green New & Emerging	N	Non-Green Task
		Assess companies as investments for clients by examining company			
13-2099.03	Investment Underwriters	facilities.	Existing Green New & Emerging	N	Non-Green Task
		Collaborate on projects with other professionals, such as lawyers,			
13-2099.03	Investment Underwriters	accountants, or public relations experts.	Existing Green New & Emerging	N	Non-Green Task
		Confer with clients to restructure debt, refinance debt, or raise new debt.			
13-2099.03	Investment Underwriters		Existing Green New & Emerging	N	Non-Green Task
		Coordinate due diligence processes and the negotiation or execution of			
13-2099.03	Investment Underwriters	purchase or sale agreements.	Existing Green New & Emerging	N	Non-Green Task
		Direct communications between corporate issuers of new securities and			
13-2099.03	Investment Underwriters	the general public.	Existing Green New & Emerging	N	Non-Green Task
		Employ financial models to develop solutions to financial problems or to	3 3		
13-2099.03	Investment Underwriters	assess the financial or capital impact of transactions.	Existing Green New & Emerging	N	Non-Green Task
		Evaluate capital needs of clients and assess market conditions to inform			
13-2099.03	Investment Underwriters	structuring of financial packages.	Existing Green New & Emerging	N	Non-Green Task
	Investment Underwriters	Perform securities valuation or pricing.	Existing Green New & Emerging	N	Non-Green Task
	Investment Underwriters	Prepare all materials for transactions or execution of deals.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
13-2099.03	Investment Underwriters	Structure marketing campaigns to find buyers for new securities.	Existing Green New & Emerging	N	Non-Green Task
		Structure or negotiate deals, such as corporate mergers, sales, or			
	Investment Underwriters	acquisitions.	Existing Green New & Emerging	N	Non-Green Task
13-2099.03	Investment Underwriters	Supervise, train, or mentor junior team members.	Existing Green New & Emerging	N	Non-Green Task
		Arrange deals involving green investments in areas such as alternative			
		energy product development, green technologies, or sustainable			
13-2099.03	Investment Underwriters	agriculture.	Existing Green New & Emerging	Y	New Green Task
		Specialize in green financial instruments, such as socially responsible			
		mutual funds or exchange-traded funds (ETF) that are comprised of green			
	Investment Underwriters	companies.	Existing Green New & Emerging	Y	New Green Task
	Geospatial Information Scientists	Assist users in formulating Geographic Information Systems (GIS)			
15-1099.06	and Technologists	requirements or understanding the implications of alternatives.	Existing Green New & Emerging	N	Non-Green Task
		Collect, compile, or integrate Geographic Information Systems (GIS) data	a e		
	Geospatial Information Scientists	such as remote sensing or cartographic data for inclusion in map			
	and Technologists	manuscripts.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Conduct feasibility studies or identify system, time, equipment, or cost			
15-1099.06	and Technologists	requirements for projects.	Existing Green New & Emerging	N	Non-Green Task
		Conduct or coordinate research, data analysis, systems design, or support			
	Geospatial Information Scientists	for software such as Geographic Information Systems (GIS) or Global			
	and Technologists	Positioning Systems (GPS) mapping software.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Coordinate or direct research or publication activities of technicians or			
15-1099.06	and Technologists	related staff.	Existing Green New & Emerging	N	Non-Green Task
		Coordinate the development or administration of Geographic Information			
		Systems (GIS) projects, including the development of technical priorities,	,		
	Geospatial Information Scientists	client reporting and interface, or coordination and review of schedules			
15-1099.06	and Technologists	and budgets.	Existing Green New & Emerging	N	Non-Green Task
		Create visual representations of geospatial data using complex procedures	5		
	Geospatial Information Scientists	such as analytical modeling, three-dimensional renderings, or plot			
	and Technologists	creation.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Create, analyze, report, convert, or transfer data, using specialized	- · · · · · · · · · · · · · · · · · · ·		
	and Technologists	applications program software.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Create, edit, or analyze geospatial data, using Global Positioning Systems			
	and Technologists	(GPS) or digitizing techniques.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Design, program, or model Geographic Information Systems (GIS)			
15-1099.06	and Technologists	applications or procedures.	Existing Green New & Emerging	N	Non-Green Task
		Develop specialized computer software routines, internet-based			
	Geospatial Information Scientists	Geographic Information Systems (GIS) databases, or business			
15-1099.06	and Technologists	applications to customize geographic information.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Geospatial Information Scientists	Document, design, code, or test Geographic Information Systems (GIS)			
15-1099.06	and Technologists	models, internet mapping solutions, or other applications.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Lead, train, or supervise technicians or related staff in the conduct of			
15-1099.06	and Technologists	Geographic Information Systems (GIS) analytical procedures.	Existing Green New & Emerging	N	Non-Green Task
		Make recommendations regarding upgrades considering implications of			
	Geospatial Information Scientists	new or revised Geographic Information Systems (GIS) software,			
	and Technologists	equipment, or applications.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Meet with clients to discuss topics such as technical specifications,			
15-1099.06	and Technologists	customized solutions, or operational problems.	Existing Green New & Emerging	N	Non-Green Task
		Perform computer programming, data analysis, or software development			
		for Geographic Information Systems (GIS) applications, including the			
	Geospatial Information Scientists	maintenance of existing systems or research and development for future			
	and Technologists	enhancements.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Perform integrated or computerized Geographic Information Systems			
	and Technologists	(GIS) analyses to address scientific problems.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Prepare training materials for or make presentations to Geographic			
15-1099.06	and Technologists	Information Systems (GIS) users.	Existing Green New & Emerging	N	Non-Green Task
		Produce data layers, maps, tables, or reports, using spatial analysis			
	Geospatial Information Scientists	procedures or Geographic Information Systems (GIS) technology,			
	and Technologists	equipment, or systems.	Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Provide technical expertise in Geographic Information Systems (GIS) technology to clients or users.	Friedian Orana Nama 8 Francisco		New Owen Teels
	and Technologists		Existing Green New & Emerging	N	Non-Green Task
	Geospatial Information Scientists	Provide technical support for computer-based Geographic Information Systems (GIS) mapping software.	Friedian Orana Nama 8 Francisco		New Owen Teels
15-1099.06	and Technologists	Read current literature, talk with colleagues, continue education, or	Existing Green New & Emerging	N	Non-Green Task
		participate in professional organizations or conferences to keep abreast of			
	Carantial Information Cairetiate	developments in Geographic Information Systems (GIS) technology,			
	Geospatial Information Scientists and Technologists	equipment, or systems.	Existing Green New & Emerging	N	Non-Green Task
13-1099.00	and reciniologists	Apply three-dimensional (3D) or four-dimensional (4D) technologies to	Existing Green New & Emerging	IN	Non-Green rask
	Goognatial Information Scientists	geospatial data to allow for new or different analyses or applications.			
	Geospatial Information Scientists and Technologists	geospatial data to allow for new of different analyses of applications.	Existing Green New & Emerging	Υ	New Green Task
13-1077.00	and reciniologists	Develop new applications for geospatial technology in areas such as	LAISTING GLEET NEW & EITHEIGHING	ī	New Gleen Task
	Geospatial Information Scientists	farmland preservation, pollution measurement, or utilities operations			
	and Technologists	management.	Existing Green New & Emerging	Υ	New Green Task
13-1077.00	and reciniologists	Analyze Geographic Information Systems (GIS) data to identify spatial	LAISTING GLEET NEW & ETHEIGHING	ī	INEW GIEEH LASK
	Geographic Information Systems	relationships or display results of analyses, using maps, graphs, or tabular			
	Technicians	data.	Existing Green New & Emerging	N	Non-Green Task
13-1077.07	1 COMMICIANS		LAISTING GLEEN NEW & EMEIGING	IN	NOIT-GIEEH LASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Geographic Information Systems	Confer with users to analyze, configure, or troubleshoot applications.			
15-1099.07	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Geographic Information Systems	Design or coordinate the development of integrated Geographic			
15-1099.07	Technicians	Information Systems (GIS) spatial or non-spatial databases.	Existing Green New & Emerging	N	Non-Green Task
		Design or prepare graphic representations of Geographic Information			
	Geographic Information Systems	Systems (GIS) data, using GIS hardware or software applications.			
15-1099.07	Technicians		Existing Green New & Emerging	N	Non-Green Task
		Enter data into Geographic Information Systems (GIS) databases, using			
		techniques such as coordinate geometry, keyboard entry of tabular data,			
		manual digitizing of maps, scanning or automatic conversion to vectors,			
	Geographic Information Systems	or conversion of other sources of digital data.			
15-1099.07	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Geographic Information Systems	Interpret aerial or ortho photographs.			
15-1099.07	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Geographic Information Systems	Maintain or modify existing Geographic Information Systems (GIS)			
15-1099.07	Technicians	databases.	Existing Green New & Emerging	N	Non-Green Task
		Perform geospatial data building, modeling, or analysis, using advanced			
	Geographic Information Systems	spatial analysis, data manipulation, or cartography software.			
15-1099.07	Technicians		Existing Green New & Emerging	N	Non-Green Task
		Provide technical support to users or clients regarding the maintenance,			
	Geographic Information Systems	development, or operation of Geographic Information Systems (GIS)			
15-1099.07	Technicians	databases, equipment, or applications.	Existing Green New & Emerging	N	Non-Green Task
		Read current literature, talk with colleagues, continue education, or			
		participate in professional organizations or conferences to keep abreast or	f		
	Geographic Information Systems	developments in Geographic Information Systems (GIS) technology,			
15-1099.07	Technicians	equipment, or systems.	Existing Green New & Emerging	N	Non-Green Task
	Geographic Information Systems	Recommend procedures or equipment or software upgrades to increase			
15-1099.07	Technicians	data accessibility or ease of use.	Existing Green New & Emerging	N	Non-Green Task
	Geographic Information Systems	Review existing or incoming data for currency, accuracy, usefulness,			
15-1099.07	Technicians	quality, or completeness of documentation.	Existing Green New & Emerging	N	Non-Green Task
	Geographic Information Systems	Select cartographic elements needed for effective presentation of			
15-1099.07	Technicians	information.	Existing Green New & Emerging	N	Non-Green Task
	Geographic Information Systems	Transfer or rescale information from original photographs onto maps or			
15-1099.07	Technicians	other photographs.	Existing Green New & Emerging	N	Non-Green Task
		Analyze Geographic Information Systems (GIS) data for use in urban			
	Geographic Information Systems	planning applications that promote better land use or reduce			
15-1099.07	Technicians	environmental impacts of development.	Existing Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Analyze Geographic Information Systems (GIS) data to determine the			
C	Geographic Information Systems	best locations for renewable energy sites, including solar or wind energy			
15-1099.07 T	Γechnicians	installations.	Existing Green New & Emerging	Υ	New Green Task
		Apply Geographic Information Systems (GIS) data in transportation			
C	Geographic Information Systems	routing settings to determine the best routing to reduce pollution or energy			
15-1099.07 T	Гесhnicians	consumption.	Existing Green New & Emerging	Υ	New Green Task
		Confer with biologists or other researchers in the use of Geographic			
C	Geographic Information Systems	Information Systems (GIS) data to define wildlife areas or corridors for			
15-1099.07 T	Гесhnicians	land use planning.	Existing Green New & Emerging	Υ	New Green Task
		Participate in projects that map changes in carbon emissions levels across			
C	Geographic Information Systems	different geographic locations, using Geographic Information Systems			
15-1099.07 T	Technicians Technicians	(GIS) data.	Existing Green New & Emerging	Υ	New Green Task
Α	Architects, Except Landscape and	Administer construction contracts.			
17-1011.00 N			Green Enhanced Skills	N	Non-Green Task
Α	Architects, Except Landscape and	Conduct periodic on-site observations of construction work to monitor			
17-1011.00 N		compliance with plans.	Green Enhanced Skills	N	Non-Green Task
A	Architects, Except Landscape and	Consult with clients to determine functional or spatial requirements of			
17-1011.00 N		structures.	Green Enhanced Skills	N	Non-Green Task
A	Architects, Except Landscape and	Create three-dimensional or interactive representations of designs, using			
17-1011.00 N		computer assisted design software.	Green Enhanced Skills	N	Non-Green Task
A	Architects, Except Landscape and	Develop final construction plans that include aesthetic representations of			
17-1011.00 N		the structure or details for its construction.	Green Enhanced Skills	N	Non-Green Task
Α	Architects, Except Landscape and	Develop marketing materials, proposals, or presentation to generate new			
17-1011.00 N		work opportunities.	Green Enhanced Skills	N	Non-Green Task
A	Architects, Except Landscape and	Direct activities of technicians engaged in preparing drawings or			
17-1011.00 N		specification documents.	Green Enhanced Skills	N	Non-Green Task
A	Architects, Except Landscape and	Inspect proposed building sites to determine suitability for construction.			
17-1011.00 N	Naval		Green Enhanced Skills	N	Non-Green Task
A	Architects, Except Landscape and	Integrate engineering elements into unified architectural designs.			
17-1011.00 N			Green Enhanced Skills	N	Non-Green Task
A	Architects, Except Landscape and	Meet with clients to review or discuss architectural drawings.			
17-1011.00 N			Green Enhanced Skills	N	Non-Green Task
		Monitor the work of specialists, such as electrical engineers, mechanical			
A	Architects, Except Landscape and	engineers, interior designers, or sound specialists to ensure optimal form			
17-1011.00 N		or function of designs or final structures.	Green Enhanced Skills	N	Non-Green Task
A	Architects, Except Landscape and	Plan layouts of structural architectural projects.			
17-1011.00 N			Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Architects, Except Landscape and	Prepare contract documents for building contractors.			
17-1011.00	Naval		Green Enhanced Skills	N	Non-Green Task
	Architects, Except Landscape and	Prepare operating and maintenance manuals, studies, or reports.			
17-1011.00	Naval		Green Enhanced Skills	N	Non-Green Task
	Architects, Except Landscape and	Prepare scale drawings or architectural designs, using computer-aided			
17-1011.00		design or other tools.	Green Enhanced Skills	N	Non-Green Task
	Architects, Except Landscape and	Represent clients in obtaining bids or awarding construction contracts.			
17-1011.00	Naval		Green Enhanced Skills	N	Non-Green Task
		Prepare information regarding design, structure specifications, materials,			
	Architects, Except Landscape and	color, equipment, estimated costs, operational efficiency, environmental			
17-1011.00		sustainability, or construction time.	Green Enhanced Skills	Y	Existing Green Task
	Architects, Except Landscape and	Calculate potential energy savings by comparing estimated energy			
17-1011.00	Naval	consumption of proposed design to baseline standards.	Green Enhanced Skills	Υ	New Green Task
		Design environmentally sound structural upgrades to existing buildings,			
	Architects, Except Landscape and	such as natural lighting systems, green roofs, or rainwater collection			
17-1011.00		systems.	Green Enhanced Skills	Y	New Green Task
45 4044 00	Architects, Except Landscape and	Design or plan construction of green building projects to minimize			
17-1011.00	Naval	adverse environmental impact or conserve energy.	Green Enhanced Skills	Y	New Green Task
		Design structures that incorporate environmentally friendly building			
45 4044 00	Architects, Except Landscape and	practices or concepts, such as Leadership in Energy and Environmental			
17-1011.00		Design (LEED) standards.	Green Enhanced Skills	Y	New Green Task
17 1011 00	Architects, Except Landscape and	Perform predesign services, such as feasibility or environmental impact studies.		.,	
17-1011.00	Naval		Green Enhanced Skills	Y	New Green Task
		Plan or design structures such as residences, office buildings, theatres, factories, or other structural properties in accordance with environmental,			
17-1011.00	Architects, Except Landscape and	safety, or other regulations.	Cross Enhanced Chille	V	Naw Crass Task
17-1011.00	Navai	Collaborate with estimators to cost projects, create project plans, or	Green Enhanced Skills	Y	New Green Task
17 1012 00	Landscape Architects	coordinate with estimators to cost projects, create project plans, or coordinate bids from landscaping contractors.	Green Enhanced Skills	N	Non-Green Task
17-1012.00	Landscape Architects	Confer with clients, engineering personnel, or architects on landscape	Green Ennanced Skills	IN	Non-Green rask
17-1012 00	Landscape Architects	projects.	Green Enhanced Skills	N	Non-Green Task
17-1012.00	Landscape 7 Heritects	Develop marketing materials, proposals, or presentation to generate new	Green Ennanced Skills	IN .	Non-Oreen rask
17-1012 00	Landscape Architects	work opportunities.	Green Enhanced Skills	N	Non-Green Task
17-1012.00	Landscape Memeets	Develop planting plans for clients to assist them to garden productively or		IN	Non Oleen rask
17-1012 00	Landscape Architects	achieve particular aesthetic effects.	Green Enhanced Skills	N	Non-Green Task
1, 1012.00	Zandscape i nemicets	Inspect landscape work to ensure compliance with specifications, evaluate		114	110/1 OTOOH TOOK
		quality of materials or work, or advise clients or construction personnel.			
17-1012.00	Landscape Architects	4	Green Enhanced Skills	N	Non-Green Task
17-1012.00	Landscape Architects		OTECH EHHANCED SKIIIS	IN	INOIT-GIEETI TASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Inspect proposed sites to identify structural elements of land areas or other			
		important site information, such as soil condition, existing landscaping, or	r		
	Landscape Architects	the proximity of water management facilities.	Green Enhanced Skills	N	Non-Green Task
17-1012.00	Landscape Architects	Integrate existing land features or landscaping into designs.	Green Enhanced Skills	N	Non-Green Task
		Manage the work completed by subcontractors to ensure quality control.			
17-1012.00	Landscape Architects		Green Enhanced Skills	N	Non-Green Task
		Prepare conceptual drawings, graphics, or other visual representations of			
		land areas to show predicted growth or development of land areas over			
17-1012.00	Landscape Architects	time.	Green Enhanced Skills	N	Non-Green Task
		Prepare graphic representations or drawings of proposed plans or designs.	•		
17-1012.00	Landscape Architects		Green Enhanced Skills	N	Non-Green Task
		Prepare site plans, specifications, or cost estimates for land development.			
17-1012.00	Landscape Architects		Green Enhanced Skills	N	Non-Green Task
		Present project plans or designs to public stakeholders, such as			
17-1012.00	Landscape Architects	government agencies or community groups.	Green Enhanced Skills	N	Non-Green Task
		Provide follow-up consultations for clients to ensure landscape designs			
17-1012.00	Landscape Architects	are maturing or developing as planned.	Green Enhanced Skills	N	Non-Green Task
		Research latest products, technology, or design trends to stay current in			
17-1012.00	Landscape Architects	the field.	Green Enhanced Skills	N	Non-Green Task
		Analyze data on conditions such as site location, drainage, or structure			
17-1012.00	Landscape Architects	location for environmental reports or landscaping plans.	Green Enhanced Skills	Y	Existing Green Task
		Collaborate with architects or related professionals on whole building			
.=		design to maximize the aesthetic features of structures or surrounding land			
17-1012.00	Landscape Architects	and to improve energy efficiency.	Green Enhanced Skills	Y	New Green Task
15 1012 00		Create landscapes that minimize water consumption such as by			
17-1012.00	Landscape Architects	incorporating drought-resistant grasses or indigenous plants.	Green Enhanced Skills	Y	New Green Task
17 1010 00	T 1 A 12	Design and integrate rainwater harvesting or gray and reclaimed water	0 5 1 101 11		
17-1012.00	Landscape Architects	systems to conserve water into building or land designs.	Green Enhanced Skills	Y	New Green Task
		Identify and select appropriate sustainable materials for use in landscape			
		designs, such as using recycled wood or recycled concrete boards for structural elements or recycled tires for playground bedding.			
17 1010 00	T 1 A 12	structural elements of recycled tires for playground bedding.	0 5 1 101 11		
17-1012.00	Landscape Architects		Green Enhanced Skills	Y	New Green Task
		Analyze project requests, proposals, or engineering data to determine feasibility, productibility, cost, or production time of aerospace or			
17 2011 00	A amagnaga Enginagas	aeronautical products.	Crean Enhanced Chille	N	Non Cross Tools
17-2011.00	Aerospace Engineers	-	Green Enhanced Skills	N	Non-Green Task
		Diagnose performance problems by reviewing performance reports or documentation from customers or field engineers or inspecting			
17 2011 00	A arasmaa Enginaars	malfunctioning or damaged products.	Croon Enhanced Skills	N	Non Croon Took
1/-2011.00	Aerospace Engineers	mananeuoning of damaged products.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
17-2011.00	Aerospace Engineers	Direct aerospace research and development programs.	Green Enhanced Skills	N	Non-Green Task
		Direct or coordinate activities of engineering or technical personnel			
		involved in designing, fabricating, modifying, or testing of aircraft or			
17-2011.00	Aerospace Engineers	aerospace products.	Green Enhanced Skills	N	Non-Green Task
		Evaluate and approve selection of vendors by studying past performance			
17-2011.00	Aerospace Engineers	or new advertisements.	Green Enhanced Skills	N	Non-Green Task
		Formulate mathematical models or other methods of computer analysis to			
		develop, evaluate, or modify design, according to customer engineering			
	Aerospace Engineers	requirements.	Green Enhanced Skills	N	Non-Green Task
17-2011.00	Aerospace Engineers	Maintain records of performance reports for future reference.	Green Enhanced Skills	N	Non-Green Task
		Plan or coordinate activities concerned with investigating and resolving			
		customers' reports of technical problems with aircraft or aerospace			
17-2011.00	Aerospace Engineers	vehicles.	Green Enhanced Skills	N	Non-Green Task
		Write technical reports or other documentation, such as handbooks or			
.=		bulletins, for use by engineering staff, management, or customers.			
17-2011.00	Aerospace Engineers		Green Enhanced Skills	N	Non-Green Task
		Develop design criteria for aeronautical or aerospace products or systems,	,		
17 2011 00		including testing methods, production costs, quality standards, environmental standards, or completion dates.			
17-2011.00	Aerospace Engineers		Green Enhanced Skills	Y	Existing Green Task
		Evaluate product data or design from inspections or reports for			
17 2011 00		conformance to engineering principles, customer requirements, environmental regulations, or quality standards.		.,	
17-2011.00	Aerospace Engineers		Green Enhanced Skills	Y	Existing Green Task
		Formulate conceptual design of aeronautical or aerospace products or systems to meet customer requirements or conform to environmental			
17 2011 00	Aerospace Engineers	regulations.	Cross Eshapsed Chills	Υ	Frieting Orean Teels
17-2011.00	Aerospace Engineers	Plan or conduct experimental, environmental, operational, or stress tests	Green Enhanced Skills	Y	Existing Green Task
		on models or prototypes of aircraft or aerospace systems or equipment.			
17 2011 00	Aerospace Engineers	on models of prototypes of affectant of acrospace systems of equipment.	Green Enhanced Skills	Υ	Existing Green Task
17-2011.00	Aerospace Engineers	Design new or modify existing aerospace systems to reduce polluting	Green Enhanced Skills	r	Existing Green Task
		emissions, such as nitrogen oxide, carbon monoxide, or smoke emissions.			
17 2011 00	Aerospace Engineers	chinssions, such as introgen oxide, caroon monoxide, or smoke chinssions.	Green Enhanced Skills	Y	New Green Task
17-2011.00	Aerospace Engineers	Design or engineer filtration systems that reduce harmful emissions.	Green Enhanced Skills	r	New Green Task
17-2011 00	Aerospace Engineers	Design of engineer intration systems that reduce narmful emissions.	Green Enhanced Skills	Υ	New Green Task
17-2011.00	Acrospace Engineers	Evaluate biofuel performance specifications to determine feasibility for	Oreen Elinanceu Skiiis	1	INGW GIEGH LASK
17-2011 00	Aerospace Engineers	aerospace applications.	Green Enhanced Skills	Y	New Green Task
17-2011.00	Acrospace Engineers	Research new materials to determine quality or conformance to	Oreen Ennanced Skins	1	INGW GIEEH LASK
17-2011 00	Aerospace Engineers	environmental standards.	Green Enhanced Skills	Υ	New Green Task
17-2011.00	Acrospace Engineers	on in outfortun buildurds.	OTECH LIMANCEU SKIIIS	Ī	INEW GIEEH LASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Review aerospace engineering designs to determine how to reduce			
17-2011.00	Aerospace Engineers	negative environmental impacts.	Green Enhanced Skills	Υ	New Green Task
		Analyze survey reports, maps, drawings, blueprints, aerial photography,			
17-2051.00	Civil Engineers	or other topographical or geologic data.	Green Enhanced Skills	N	Non-Green Task
		Compute load and grade requirements, water flow rates, or material stress			
17-2051.00	Civil Engineers	factors to determine design specifications.	Green Enhanced Skills	N	Non-Green Task
		Direct or participate in surveying to lay out installations or establish			
17-2051.00	Civil Engineers	reference points, grades, or elevations to guide construction.	Green Enhanced Skills	N	Non-Green Task
		Estimate quantities and cost of materials, equipment, or labor to determine	e e		
17-2051.00	Civil Engineers	project feasibility.	Green Enhanced Skills	N	Non-Green Task
		Inspect project sites to monitor progress and ensure conformance to			
17-2051.00	Civil Engineers	design specifications and safety or sanitation standards.	Green Enhanced Skills	N	Non-Green Task
		Manage and direct the construction, operations, or maintenance activities			
17-2051.00	Civil Engineers	at project site.	Green Enhanced Skills	N	Non-Green Task
		Plan and design transportation or hydraulic systems or structures using			
17-2051.00	Civil Engineers	computer assisted design or drawing tools.	Green Enhanced Skills	N	Non-Green Task
		Provide technical advice to industrial or managerial personnel regarding			
		design, construction, or program modifications or structural repairs.			
17-2051.00	Civil Engineers		Green Enhanced Skills	N	Non-Green Task
		Test soils or materials to determine the adequacy and strength of			
17-2051.00	Civil Engineers	foundations, concrete, asphalt, or steel.	Green Enhanced Skills	N	Non-Green Task
		Conduct studies of traffic patterns or environmental conditions to identify			
17-2051.00	Civil Engineers	engineering problems and assess potential project impact.	Green Enhanced Skills	Υ	Existing Green Task
		Prepare or present public reports on topics such as bid proposals, deeds,			
		environmental impact statements, or property and right-of-way			
17-2051.00	Civil Engineers	descriptions.	Green Enhanced Skills	Y	Existing Green Task
		Analyze manufacturing processes or byproducts to identify engineering			
		solutions to minimize the output of carbon or other pollutants.			
17-2051.00	Civil Engineers		Green Enhanced Skills	Y	New Green Task
	Civil Engineers	Design energy efficient or environmentally sound civil structures.	Green Enhanced Skills	Y	New Green Task
	9	Design or engineer systems to efficiently dispose of chemical, biological,			
17-2051.00	Civil Engineers	or other toxic wastes.	Green Enhanced Skills	Y	New Green Task
		Develop or implement engineering solutions to clean up industrial			
17-2051.00	Civil Engineers	accidents or other contaminated sites.	Green Enhanced Skills	Y	New Green Task
		Direct engineering activities ensuring compliance with environmental,			
17-2051.00	Civil Engineers	safety, or other governmental regulations.	Green Enhanced Skills	Y	New Green Task
		Identify environmental risks and develop risk management strategies for			
17-2051.00	Civil Engineers	civil engineering projects.	Green Enhanced Skills	Y	New Green Task
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O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Check construction plans, design calculations, or cost estimations to			
		ensure completeness, accuracy, or conformity to engineering standards or	:		
17-2051.01	Transportation Engineers	practices.	Existing Green New & Emerging	N	Non-Green Task
		Confer with contractors, utility companies, or government agencies to			
17-2051.01	Transportation Engineers	discuss plans, specifications, or work schedules.	Existing Green New & Emerging	N	Non-Green Task
		Design or prepare plans for new transportation systems or parts of			
		systems, such as airports, commuter trains, highways, streets, bridges,			
17-2051.01	Transportation Engineers	drainage structures, or roadway lighting.	Existing Green New & Emerging	N	Non-Green Task
		Develop or assist in the development of transportation-related computer			
17-2051.01	Transportation Engineers	software or computer processes.	Existing Green New & Emerging	N	Non-Green Task
17-2051.01	Transportation Engineers	Direct the surveying, staking, or laying-out of construction projects.	Existing Green New & Emerging	N	Non-Green Task
17-2051.01	Transportation Engineers	Estimate transportation project costs.	Existing Green New & Emerging	N	Non-Green Task
		Evaluate traffic control devices or lighting systems to determine need for			
17-2051.01	Transportation Engineers	modification or expansion.	Existing Green New & Emerging	N	Non-Green Task
		Evaluate transportation systems or traffic control devices or lighting			
17-2051.01	Transportation Engineers	systems to determine need for modification or expansion.	Existing Green New & Emerging	N	Non-Green Task
		Investigate traffic problems and recommend methods to improve traffic			
17-2051.01	Transportation Engineers	flow or safety.	Existing Green New & Emerging	N	Non-Green Task
		Model transportation scenarios to evaluate the impacts of activities such			
		as new development or to identify possible solutions to transportation			
17-2051.01	Transportation Engineers	problems.	Existing Green New & Emerging	N	Non-Green Task
17-2051.01	Transportation Engineers	Participate in contract bidding, negotiation, or administration.	Existing Green New & Emerging	N	Non-Green Task
		Plan alteration or modification of existing transportation structures to			
17-2051.01	Transportation Engineers	improve safety or function.	Existing Green New & Emerging	N	Non-Green Task
		Prepare administrative, technical, or statistical reports on traffic-operation	1		
		matters, such as accidents, safety measures, or pedestrian volume or			
17-2051.01	Transportation Engineers	practices.	Existing Green New & Emerging	N	Non-Green Task
		Prepare final project layout drawings that include details such as stress			
17-2051.01	Transportation Engineers	calculations.	Existing Green New & Emerging	N	Non-Green Task
		Prepare project budgets, schedules, or specifications for labor or			
17-2051.01	Transportation Engineers	materials.	Existing Green New & Emerging	N	Non-Green Task
		Present data, maps, or other information at construction-related public			
17-2051.01	Transportation Engineers	hearings or meetings.	Existing Green New & Emerging	N	Non-Green Task
	Transportation Engineers	Review development plans to determine potential traffic impact.	Existing Green New & Emerging	N	Non-Green Task
		Supervise the maintenance or repair of transportation systems or system			
17-2051.01	Transportation Engineers	components.	Existing Green New & Emerging	N	Non-Green Task
		Analyze environmental impact statements for transportation projects.			
17-2051.01	Transportation Engineers		Existing Green New & Emerging	Y	Existing Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Inspect completed transportation projects to ensure safety or compliance			
		with applicable standards or regulations, such as environmental			
17-2051.01	Transportation Engineers	regulations.	Existing Green New & Emerging	Υ	Existing Green Task
		Investigate or test specific construction project materials to determine			
		compliance with specifications or standards, such as safety or			
17-2051.01	Transportation Engineers	environmental standards.	Existing Green New & Emerging	Υ	Existing Green Task
		Design or engineer drainage, erosion, or sedimentation control systems for	DI .		
17-2051.01	Transportation Engineers	transportation projects.	Existing Green New & Emerging	Υ	New Green Task
		Design transportation systems or structures using sustainable materials or			
		products, such as porous pavement or bioretention structures.			
17-2051.01	Transportation Engineers		Existing Green New & Emerging	Υ	New Green Task
		Develop plans to deconstruct damaged or obsolete roadways or other			
		transportation structures in a manner that is environmentally sound or			
17-2051.01	Transportation Engineers	prepares the land for sustainable development.	Existing Green New & Emerging	Υ	New Green Task
		Assist in developing capital project programs for new equipment or majo	r		
17-2071.00	Electrical Engineers	repairs.	Green Enhanced Skills	N	Non-Green Task
		Collect data relating to commercial or residential development,			
		population, or power system interconnection to determine operating			
17-2071.00	Electrical Engineers	efficiency of electrical systems.	Green Enhanced Skills	N	Non-Green Task
		Compile data and write reports regarding existing or potential electrical			
17-2071.00	Electrical Engineers	engineering studies or projects.	Green Enhanced Skills	N	Non-Green Task
		Conduct field surveys or study maps, graphs, diagrams, or other data to			
17-2071.00	Electrical Engineers	identify and correct power system problems.	Green Enhanced Skills	N	Non-Green Task
		Confer with engineers, customers, or others to discuss existing or			
17-2071.00	Electrical Engineers	potential engineering projects or products.	Green Enhanced Skills	N	Non-Green Task
		Design, implement, maintain, or improve electrical instruments,			
		equipment, facilities, components, products, or systems for commercial,			
17-2071.00	Electrical Engineers	industrial, or domestic purposes.	Green Enhanced Skills	N	Non-Green Task
		Direct or coordinate manufacturing, construction, installation,			
		maintenance, support, documentation, or testing activities to ensure			
17-2071.00	Electrical Engineers	compliance with specifications, codes, or customer requirements.	Green Enhanced Skills	N	Non-Green Task
		Estimate labor, material, or construction costs for budget preparation			
17-2071.00	Electrical Engineers	purposes.	Green Enhanced Skills	N	Non-Green Task
		Investigate customer or public complaints to determine the nature and			
17-2071.00	Electrical Engineers	extent of problems.	Green Enhanced Skills	N	Non-Green Task
17-2071.00	Electrical Engineers	Investigate or test vendors' or competitors' products.	Green Enhanced Skills	N	Non-Green Task
		Operate computer-assisted engineering or design software or equipment t	cd		
17-2071.00	Electrical Engineers	perform engineering tasks.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Oversee project production efforts to assure projects are completed on			
17-2071.00	Electrical Engineers	time and within budget.	Green Enhanced Skills	N	Non-Green Task
		Perform detailed calculations to compute and establish manufacturing,			
		construction, or installation standards or specifications.			
17-2071.00	Electrical Engineers		Green Enhanced Skills	N	Non-Green Task
		Plan layout of electric power generating plants or distribution lines or			
17-2071.00	Electrical Engineers	stations.	Green Enhanced Skills	N	Non-Green Task
		Plan or implement research methodology or procedures to apply			
17-2071.00	Electrical Engineers	principles of electrical theory to engineering projects.	Green Enhanced Skills	N	Non-Green Task
17-2071.00	Electrical Engineers	Prepare specifications for purchases of materials or equipment.	Green Enhanced Skills	N	Non-Green Task
		Prepare technical drawings, specifications of electrical systems, or			
		topographical maps to ensure that installation and operations conform to			
	Electrical Engineers	standards and customer requirements.	Green Enhanced Skills	N	Non-Green Task
17-2071.00	Electrical Engineers	Supervise or train project team members as necessary.	Green Enhanced Skills	N	Non-Green Task
		Inspect completed installations and observe operations to ensure			
		conformance to design and equipment specifications and compliance with	h		
17-2071.00	Electrical Engineers	operational, safety, or environmental standards.	Green Enhanced Skills	Y	Existing Green Task
		Design electrical systems or components that minimize electric energy			
		requirements, such as lighting systems designed to account for natural			
17-2071.00	Electrical Engineers	lighting.	Green Enhanced Skills	Y	New Green Task
		Develop systems that produce electricity using renewable energy sources	3,		
17-2071.00	Electrical Engineers	such as wind, solar, or biofuels.	Green Enhanced Skills	Y	New Green Task
		Integrate electrical systems with renewable energy systems to improve			
17-2071.00	Electrical Engineers	overall efficiency.	Green Enhanced Skills	Y	New Green Task
	Electronics Engineers, Except	Analyze electronics system requirements, capacity, cost, or customer			
17-2072.00	Computer	needs to determine project feasibility.	Green Enhanced Skills	N	Non-Green Task
	Electronics Engineers, Except	Confer with engineers, customers, vendors, or others to discuss existing of	OI .		
17-2072.00	-	potential electronics engineering projects or products.	Green Enhanced Skills	N	Non-Green Task
	Electronics Engineers, Except	Design electronic components, software, products, or systems for			
17-2072.00	Computer	commercial, industrial, medical, military, or scientific applications.	Green Enhanced Skills	N	Non-Green Task
	Electronics Engineers, Except	Determine project material or equipment needs.			
17-2072.00	Computer		Green Enhanced Skills	N	Non-Green Task
		Develop and perform operational, maintenance or testing procedures for			
	Electronics Engineers, Except	electronic products, components, equipment, or systems.			
17-2072.00	Computer		Green Enhanced Skills	N	Non-Green Task
		Direct and coordinate activities concerned with manufacture,			
	Electronics Engineers, Except	construction, installation, maintenance, operation, or modification of			
17-2072.00	Computer	electronic equipment, products, or systems.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Electronics Engineers, Except	Evaluate project work to ensure effectiveness, technical adequacy, or compatibility in the resolution of complex electronics engineering			
17-2072.00		problems.	Green Enhanced Skills	N	Non-Green Task
		Inspect electronic equipment, instruments, products, or systems to ensure			
	Electronics Engineers, Except	conformance to specifications, safety standards, or applicable codes or			
17-2072.00	-	regulations.	Green Enhanced Skills	N	Non-Green Task
17 2072 00	Electronics Engineers, Except	Operate computer-assisted engineering or design software or equipment to			
17-2072.00	Computer	perform electronics engineering tasks.	Green Enhanced Skills	N	Non-Green Task
		Plan and develop applications or modifications for electronic properties used in components, products, or systems to improve technical			
17-2072.00	Electronics Engineers, Except	performance.	Green Enhanced Skills	N	Non-Green Task
17-2072.00	Electronics Engineers, Except	Prepare budget or cost estimates for equipment, construction, or	Oreen Limanced Okins	IN .	Non-Oreen rask
17-2072.00	_	installation projects or control expenditures.	Green Enhanced Skills	N	Non-Green Task
	1	Prepare documentation containing information such as confidential			
		descriptions and specifications of proprietary hardware or software,			
	Electronics Engineers, Except	product development or introduction schedules, product costs, or			
17-2072.00	Computer	information about product performance weaknesses.	Green Enhanced Skills	N	Non-Green Task
		Prepare engineering sketches or specifications for construction, relocation			
	Electronics Engineers, Except	or installation of equipment, facilities, products, or systems.			
17-2072.00	Computer		Green Enhanced Skills	N	Non-Green Task
		Prepare necessary criteria, procedures, reports, or plans for successful conduct of the project with consideration given to site preparation, facility			
		validation, installation, quality assurance, or testing.			
17-2072.00	Electronics Engineers, Except	validation, installation, quality assurance, or testing.	Green Enhanced Skills	N	Non-Green Task
17-2072.00	Electronics Engineers, Except	Prepare, review, or maintain maintenance schedules, design	Green Emilianced Skills	IN	Non-Green rask
17-2072.00		documentation, or operational reports or charts.	Green Enhanced Skills	N	Non-Green Task
	Electronics Engineers, Except	Provide technical support or instruction to staff or customers regarding			
17-2072.00		electronics equipment standards,.	Green Enhanced Skills	N	Non-Green Task
	_	Represent employer at conferences, meetings, boards, panels, committees			
		or working groups to present, explain, or defend findings or			
	Electronics Engineers, Except	recommendations, negotiate compromises or agreements, or exchange			
17-2072.00	Computer	information.	Green Enhanced Skills	N	Non-Green Task
		Recommend repair or design modifications of electronics components or			
17 2072 66	Electronics Engineers, Except	systems based on factors such as environment, service, cost, or system			
17-2072.00	-	capabilities.	Green Enhanced Skills	Y	Existing Green Task
17 2072 00	Electronics Engineers, Except	Develop solar photovoltaic products, such as inverters or energy	One on Enhance of OUT	V	Name One are Table
17-2072.00	Computer	management systems.	Green Enhanced Skills	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Investigate green consumer electronics applications for consumer			
	Electronics Engineers, Except	electronic devices, power saving devices for computers or televisions, or			
17-2072.00	Computer	energy efficient power chargers.	Green Enhanced Skills	Y	New Green Task
	Electronics Engineers, Except	Research or develop electronics technologies for use in electric-drive			
17-2072.00	Computer	vehicles.	Green Enhanced Skills	Y	New Green Task
	Electronics Engineers, Except	Research or develop new green electronics technologies, such as lighting,			
17-2072.00	Computer	optical data storage devices, or energy efficient televisions.	Green Enhanced Skills	Y	New Green Task
		Advise corporations or government agencies of procedures to follow in			
		cleaning up contaminated sites to protect people and the environment.			
17-2081.00	Environmental Engineers		Green Enhanced Skills	Υ	Existing Green Task
		Advise industries or government agencies about environmental policies			
17-2081.00	Environmental Engineers	and standards.	Green Enhanced Skills	Y	Existing Green Task
		Assess the existing or potential environmental impact of land use projects			
17-2081.00	Environmental Engineers	on air, water, or land.	Green Enhanced Skills	Y	Existing Green Task
17-2081.00	Environmental Engineers	Assess, sort, characterize, or pack known or unknown materials.	Green Enhanced Skills	Y	Existing Green Task
17-2081.00	Environmental Engineers	Assist in budget implementation, forecasts, or administration.	Green Enhanced Skills	Y	Existing Green Task
		Collaborate with environmental scientists, planners, hazardous waste			
		technicians, engineers, experts in law or business, or other specialists to			
17-2081.00	Environmental Engineers	address environmental problems.	Green Enhanced Skills	Υ	Existing Green Task
		Coordinate or manage environmental protection programs or projects,			
17-2081.00	Environmental Engineers	assigning or evaluating work.	Green Enhanced Skills	Υ	Existing Green Task
		Design or supervise the design of systems, processes, or equipment for			
		control, management, or remediation of water, air, or soil quality.			
17-2081.00	Environmental Engineers		Green Enhanced Skills	Y	Existing Green Task
		Develop or present environmental compliance training or orientation			
17-2081.00	Environmental Engineers	sessions.	Green Enhanced Skills	Y	Existing Green Task
		Develop proposed project objectives and targets and report to			
17-2081.00	Environmental Engineers	management on progress in attaining them.	Green Enhanced Skills	Y	Existing Green Task
		Develop site-specific health and safety protocols, such as spill			
17-2081.00	Environmental Engineers	contingency plans or methods for loading or transporting waste.	Green Enhanced Skills	Y	Existing Green Task
		Develop, implement, or manage plans or programs related to conservation	1		
17-2081.00	Environmental Engineers	or management of natural resources.	Green Enhanced Skills	Y	Existing Green Task
	_	Inform company employees or other interested parties of environmental			
17-2081.00	Environmental Engineers	issues.	Green Enhanced Skills	Y	Existing Green Task
		Inspect industrial or municipal facilities or programs to evaluate			Ĭ
		operational effectiveness or ensure compliance with environmental			
17-2081.00	Environmental Engineers	regulations.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Engineers	Monitor progress of environmental improvement programs.	Green Enhanced Skills	Y	Existing Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Obtain, update, or maintain plans, permits, or standard operating			
17-2081.00	Environmental Engineers	procedures.	Green Enhanced Skills	Y	Existing Green Task
		Prepare hazardous waste manifests or land disposal restriction			
17-2081.00	Environmental Engineers	notifications.	Green Enhanced Skills	Y	Existing Green Task
		Prepare, maintain, or revise quality assurance documentation or			
17-2081.00	Environmental Engineers	procedures.	Green Enhanced Skills	Y	Existing Green Task
		Prepare, review, or update environmental investigation or			
17-2081.00	Environmental Engineers	recommendation reports.	Green Enhanced Skills	Y	Existing Green Task
		Provide administrative support for projects by collecting data, providing			
		project documentation, training staff, or performing other general			
17-2081.00	Environmental Engineers	administrative duties.	Green Enhanced Skills	Y	Existing Green Task
		Provide assistance with planning, quality assurance, safety inspection			
		protocols, or sampling as part of a team conducting multimedia			
17-2081.00	Environmental Engineers	inspections at complex facilities.	Green Enhanced Skills	Y	Existing Green Task
		Provide environmental engineering assistance in network analysis,			
		regulatory analysis, or planning or reviewing database development.			
17-2081.00	Environmental Engineers		Green Enhanced Skills	Y	Existing Green Task
		Provide technical support for environmental remediation or litigation			
		projects, including remediation system design or determination of			
	Environmental Engineers	regulatory applicability.	Green Enhanced Skills	Y	Existing Green Task
17-2081.00	Environmental Engineers	Request bids from suppliers or consultants.	Green Enhanced Skills	Y	Existing Green Task
		Serve as liaison with federal, state, or local agencies or officials on issues			
		pertaining to solid or hazardous waste program requirements.			
17-2081.00	Environmental Engineers		Green Enhanced Skills	Y	Existing Green Task
		Direct installation or operation of environmental monitoring devices or			
17-2081.00	Environmental Engineers	supervise related data collection programs.	Green Enhanced Skills	Y	New Green Task
		Prepare or present public briefings on the status of environmental			
17-2081.00	Environmental Engineers	engineering projects.	Green Enhanced Skills	Υ	New Green Task
		Write reports or articles for Web sites or newsletters related to			
17-2081.00	Environmental Engineers	environmental engineering issues.	Green Enhanced Skills	Υ	New Green Task
		Analyze and recommend chemical, biological, or other wastewater			
	Water/Wastewater Engineers	treatment methods to prepare water for industrial or domestic use.	New Green New & Emerging	Υ	New Green Task
17-2081.01	Water/Wastewater Engineers	Analyze and recommend sludge treatment or disposal methods.	New Green New & Emerging	Y	New Green Task
		Analyze storm water or floodplain drainage systems to control erosion,			
		stabilize river banks, repair channel streams, or design bridges.			
17-2081.01	Water/Wastewater Engineers		New Green New & Emerging	Υ	New Green Task
		Analyze the efficiency of water delivery structures, such as dams, tainter			
17-2081.01	Water/Wastewater Engineers	gates, canals, pipes, penstocks, or cofferdams.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Conduct cost-benefit analyses for the construction of water supply			
		systems, run-off collection networks, water and wastewater treatment			
17-2081.01 W	Vater/Wastewater Engineers	plants, or wastewater collection systems.	New Green New & Emerging	Y	New Green Task
		Conduct environmental impact studies related to water and wastewater			
17-2081.01 W	Vater/Wastewater Engineers	collection, treatment, or distribution.	New Green New & Emerging	Y	New Green Task
		Conduct feasibility studies for the construction of facilities, such as water			
		supply systems, run-off collection networks, water and wastewater			
17-2081.01 W	Vater/Wastewater Engineers	treatment plants, or wastewater collection systems.	New Green New & Emerging	Y	New Green Task
		Conduct water quality studies to identify and characterize water pollutant			
17-2081.01 W	Vater/Wastewater Engineers	sources.	New Green New & Emerging	Y	New Green Task
		Design domestic or industrial water or wastewater treatment plants,			
		including advanced facilities with sequencing batch reactors (SBR),			
		membranes, lift stations, headworks, surge overflow basins, ultraviolet			
		disinfection systems, aerobic digesters, sludge lagoons, or control			
17-2081.01 W	Vater/Wastewater Engineers	buildings.	New Green New & Emerging	Y	New Green Task
		Design or select equipment for use in wastewater processing to ensure			
17-2081.01 W	Vater/Wastewater Engineers	compliance with government standards.	New Green New & Emerging	Y	New Green Task
		Design pumping systems, pumping stations, pipelines, force mains, or			
17-2081.01 W	Vater/Wastewater Engineers	sewers for the collection of wastewater.	New Green New & Emerging	Υ	New Green Task
	Vater/Wastewater Engineers	Design sludge treatment plants.	New Green New & Emerging	Υ	New Green Task
17-2081.01 W	Vater/Wastewater Engineers	Design water distribution systems for potable or nonpotable water.	New Green New & Emerging	Υ	New Green Task
17-2081.01 W	Vater/Wastewater Engineers	Design water or wastewater lift stations, including water wells.	New Green New & Emerging	Υ	New Green Task
		Design water run-off collection networks, water supply channels, or water	t e		
	Vater/Wastewater Engineers	supply system networks.	New Green New & Emerging	Υ	New Green Task
17-2081.01 W	Vater/Wastewater Engineers	Design water storage tanks or other water storage facilities.	New Green New & Emerging	Υ	New Green Task
		Develop plans for new water resources or water efficiency programs.			
	Vater/Wastewater Engineers		New Green New & Emerging	Υ	New Green Task
17-2081.01 W	Vater/Wastewater Engineers	Gather and analyze water use data to forecast water demand.	New Green New & Emerging	Υ	New Green Task
		Identify design alternatives for the development of new water resources.			
17-2081.01 W	Vater/Wastewater Engineers		New Green New & Emerging	Y	New Green Task
		Oversee the construction of decentralized or on-site wastewater treatment			
17-2081.01 W	Vater/Wastewater Engineers	systems, including reclaimed water facilities.	New Green New & Emerging	Υ	New Green Task
		Perform hydraulic analyses of water supply systems or water distribution			
		networks to model flow characteristics, test for pressure losses, or to			
		identify opportunities to mitigate risks and improve operational efficiency	' <sub>-</sub>		
17-2081.01 W	Vater/Wastewater Engineers		New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Perform hydrological analyses, using three-dimensional simulation			
		software, to model the movement of water or forecast the dispersion of			
17-2081.01	Water/Wastewater Engineers	chemical pollutants in the water supply.	New Green New & Emerging	Υ	New Green Task
		Perform mathematical modeling of underground or surface water			
		resources, such as floodplains, ocean coastlines, streams, rivers, or			
17-2081.01	Water/Wastewater Engineers	wetlands.	New Green New & Emerging	Υ	New Green Task
		Provide technical direction or supervision to junior engineers, engineering			
		or computer-aided design (CAD) technicians, or other technical			
17-2081.01	Water/Wastewater Engineers	personnel.	New Green New & Emerging	Υ	New Green Task
		Provide technical support on water resource or treatment issues to			
17-2081.01	Water/Wastewater Engineers	government agencies.	New Green New & Emerging	Υ	New Green Task
		Review and critique proposals, plans, or designs related to water or			
17-2081.01	Water/Wastewater Engineers	wastewater treatment systems.	New Green New & Emerging	Y	New Green Task
		Write technical reports or publications related to water resources			
17-2081.01	Water/Wastewater Engineers	development or water use efficiency.	New Green New & Emerging	Y	New Green Task
		Assist drafters in developing the structural design of products, using			
		drafting tools or computer-assisted drafting equipment or software.			
17-2141.00	Mechanical Engineers		Green Enhanced Skills	N	Non-Green Task
		Conduct research that tests or analyzes the feasibility, design, operation,			
17-2141.00	Mechanical Engineers	or performance of equipment, components, or systems.	Green Enhanced Skills	N	Non-Green Task
		Confer with engineers or other personnel to implement operating			
		procedures, resolve system malfunctions, or provide technical			
17-2141.00	Mechanical Engineers	information.	Green Enhanced Skills	N	Non-Green Task
.=		Design test control apparatus or equipment or develop procedures for			
17-2141.00	Mechanical Engineers	testing products.	Green Enhanced Skills	N	Non-Green Task
		Develop or test models of alternate designs or processing methods to			
15 21 11 00		assess feasibility, sustainability, operating condition effects, potential new			
17-2141.00	Mechanical Engineers	applications, or necessity of modification.	Green Enhanced Skills	N	Non-Green Task
		Develop, coordinate, or monitor all aspects of production, including			
17 21 11 00	N 1 : 15 :	selection of manufacturing methods, fabrication, or operation of product designs.			
17-2141.00	Mechanical Engineers		Green Enhanced Skills	N	Non-Green Task
		Establish or coordinate the maintenance or safety procedures, service			
17 21 41 00	Machanias I Engineer	schedule, or supply of materials required to maintain machines or equipment in the prescribed condition.	One are Fight are and Obillia		New Owner Teels
17-2141.00	Mechanical Engineers		Green Enhanced Skills	N	Non-Green Task
17 2141 00	Mechanical Engineers	Estimate costs or submit bids for engineering, construction, or extraction projects.	Cross Eshanged Skills	N	Non Croon Took
17-2141.00	Wechanical Engineers	Investigate equipment failures or difficulties to diagnose faulty operation	Green Enhanced Skills	N	Non-Green Task
17 21/11 00	Mechanical Engineers	and recommend remedial actions.	Green Enhanced Skills	N	Non-Green Task
1/-2141.00	ivicciiailicăi Eligilieeis	and recommend tellicular actions.	Green Ennanced Skills	IN	Non-Green rask

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Oversee installation, operation, maintenance, or repair to ensure that			
		machines or equipment are installed and functioning according to			
17-2141.00	Mechanical Engineers	specifications.	Green Enhanced Skills	N	Non-Green Task
		Perform personnel functions, such as supervision of production workers,			
17-2141.00	Mechanical Engineers	technicians, technologists, or other engineers.	Green Enhanced Skills	N	Non-Green Task
		Provide feedback to design engineers on customer problems or needs.			
	Mechanical Engineers		Green Enhanced Skills	N	Non-Green Task
17-2141.00	Mechanical Engineers	Provide technical customer service.	Green Enhanced Skills	N	Non-Green Task
		Read and interpret blueprints, technical drawings, schematics, or			
17-2141.00	Mechanical Engineers	computer-generated reports.	Green Enhanced Skills	N	Non-Green Task
		Recommend design modifications to eliminate machine or system			
17-2141.00	Mechanical Engineers	malfunctions.	Green Enhanced Skills	N	Non-Green Task
		Research and analyze customer design proposals, specifications, manuals,	,		
		or other data to evaluate the feasibility, cost, or maintenance requirements	3		
17-2141.00	Mechanical Engineers	of designs or applications.	Green Enhanced Skills	N	Non-Green Task
		Research, design, evaluate, install, operate, or maintain mechanical			
17-2141.00	Mechanical Engineers	products, equipment, systems or processes to meet requirements.	Green Enhanced Skills	N	Non-Green Task
17-2141.00	Mechanical Engineers	Solicit new business.	Green Enhanced Skills	N	Non-Green Task
		Study industrial processes to maximize the efficiency of equipment			
17-2141.00	Mechanical Engineers	applications, including equipment placement.	Green Enhanced Skills	N	Non-Green Task
		Write performance requirements for product development or engineering			
17-2141.00	Mechanical Engineers	projects.	Green Enhanced Skills	N	Non-Green Task
		Specify system components or direct modification of products to ensure			
		conformance with engineering design, performance specifications, or			
17-2141.00	Mechanical Engineers	environmental regulations.	Green Enhanced Skills	Υ	Existing Green Task
		Apply engineering principles or practices to emerging fields, such as			
17-2141.00	Mechanical Engineers	robotics, waste management, or biomedical engineering.	Green Enhanced Skills	Υ	Existing Green Task
		Calculate energy losses for buildings, using equipment such as computers			
17-2141.00	Mechanical Engineers	combustion analyzers, or pressure gauges.	Green Enhanced Skills	Υ	New Green Task
		Design integrated mechanical or alternative systems, such as mechanical			
		cooling systems with natural ventilation systems, to improve energy			
17-2141.00	Mechanical Engineers	efficiency.	Green Enhanced Skills	Υ	New Green Task
		Direct the installation, operation, maintenance, or repair of renewable			
		energy equipment, such as heating, ventilating, and air conditioning			
17-2141.00	Mechanical Engineers	(HVAC) or water systems.	Green Enhanced Skills	Y	New Green Task
		Evaluate mechanical designs or prototypes for energy performance or			
17-2141.00	Mechanical Engineers	environmental impact.	Green Enhanced Skills	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Recommend the use of utility or energy services that minimize carbon			
17-2141.00	Mechanical Engineers	footprints.	Green Enhanced Skills	Y	New Green Task
		Select or install combined heat units, power units, cogeneration			
		equipment, or trigeneration equipment that reduces energy use or			
17-2141.00	Mechanical Engineers	pollution.	Green Enhanced Skills	Y	New Green Task
17-2141.01	Fuel Cell Engineers	Analyze fuel cell or related test data, using statistical software.	Existing Green New & Emerging	Υ	Existing Green Task
		Authorize release of fuel cell parts, components, or subsystems for			
17-2141.01	Fuel Cell Engineers	production.	Existing Green New & Emerging	Υ	Existing Green Task
		Calculate the efficiency or power output of a fuel cell system or process.			
17-2141.01	Fuel Cell Engineers		Existing Green New & Emerging	Υ	Existing Green Task
		Characterize component or fuel cell performances by generating operating	g		
		maps, defining operating conditions, identifying design refinements, or			
17-2141.01	Fuel Cell Engineers	executing durability assessments.	Existing Green New & Emerging	Υ	Existing Green Task
		Conduct fuel cell testing projects, using fuel cell test stations, analytical			
		instruments, or electrochemical diagnostics, such as cyclic voltammetry o	01		
17-2141.01	Fuel Cell Engineers	impedance spectroscopy.	Existing Green New & Emerging	Y	Existing Green Task
		Conduct post-service or failure analyses, using electromechanical			
17-2141.01	Fuel Cell Engineers	diagnostic principles or procedures.	Existing Green New & Emerging	Υ	Existing Green Task
		Coordinate fuel cell engineering or test schedules with departments			
17-2141.01	Fuel Cell Engineers	outside engineering, such as manufacturing.	Existing Green New & Emerging	Υ	Existing Green Task
		Design fuel cell systems, subsystems, stacks, assemblies, or components,			
17-2141.01	Fuel Cell Engineers	such as electric traction motors or power electronics.	Existing Green New & Emerging	Υ	Existing Green Task
17-2141.01	Fuel Cell Engineers	Design or implement fuel cell testing or development programs.	Existing Green New & Emerging	Y	Existing Green Task
17-2141.01	Fuel Cell Engineers	Develop fuel cell materials or fuel cell test equipment.	Existing Green New & Emerging	Y	Existing Green Task
		Fabricate prototypes of fuel cell components, assemblies, stacks, or			
17-2141.01	Fuel Cell Engineers	systems.	Existing Green New & Emerging	Υ	Existing Green Task
		Identify or define vehicle and system integration challenges for fuel cell			
17-2141.01	Fuel Cell Engineers	vehicles.	Existing Green New & Emerging	Y	Existing Green Task
		Integrate electric drive subsystems with other vehicle systems to optimize			
17-2141.01	Fuel Cell Engineers	performance or mitigate faults.	Existing Green New & Emerging	Y	Existing Green Task
		Manage fuel cell battery hybrid system architecture, including sizing of			
		components, such as fuel cells, energy storage units, or electric drives.			
17-2141.01	Fuel Cell Engineers	-	Existing Green New & Emerging	Y	Existing Green Task
		Plan or conduct experiments to validate new materials, optimize startup			
		protocols, reduce conditioning time, or examine contaminant tolerance.			
17-2141.01	Fuel Cell Engineers		Existing Green New & Emerging	Y	Existing Green Task

Page	O*NET-					
projects in collaboration with other engineers, supplort personnel, or customers.  Prepare test stations, instrumentation, or data acquisition systems for use in specific tests of fuel cell components or systems.  Propare test stations, instrumentation, or data acquisition systems for use in specific tests of fuel cell components or systems.  Production of fuel cell systems.  Read current literature, attend meetings or conferences, or talk with colleagues to stay abreast of new technology or competitive products.  Production of fuel cell systems.  Recommend or implement changes to fuel cell system designs.  Production of model fuel cell, motor, or other system information, using simulators or model fuel cell, motor, or other system information, using simulation software programs.  Validate design of fuel cells, fuel cell components, or fuel cell systems.  Production Fuel Cell Engineers  Validate design of fuel cells, fuel cell components, or fuel cell systems.  Production Fuel Cell Engineers  Validate design of fuel cells, fuel cell components, or fuel cell systems.  Production Fuel Cell Engineers  Validate design of fuel cell system designs.  Production Fuel Cell Engineers  Validate design of fuel cell systems.  Production Fuel Cell Engineers  Validate design of fuel cell systems.  Production Fuel Cell Engineers  Production Fuel Cell Engineers  Validate design of fuel cell systems.  Production Fuel Cell Engineers	SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
17-2141.0  Fuel Cell Engineers   Personnel. or customens.   Prepare test stations, instrumentation, or data acquisition systems for use in specific tests of fuel cell components or systems.   Existing Green New & Emerging   Y   Existing Green Task						
Propare test stations, instrumentation, or data acquisition systems for use in specific tests of fuel cell components or systems.			projects in collaboration with other engineers, suppliers, support			
17-2141.0  Fuel Cell Engineers   in specific tests of fuel cell components or systems.   Existing Green New & Emerging   Y   Existing Green Task	17-2141.01	Fuel Cell Engineers	personnel, or customers.	Existing Green New & Emerging	Y	Existing Green Task
Provide technical consultation or direction related to the development or production of fuel cell systems.  Read current literature, attend meetings or conferences, or talk with colleagues to stay abreast of new technology or competitive products.  Read current literature, attend meetings or conferences, or talk with colleagues to stay abreast of new technology or competitive products.  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  17-2141.01 Fuel Cell Engineers Simulation software programs.  Puel Cell Engineers Simulation software programs.  Puel Cell Engineers Write technical reports or proposals related to engineering projects.  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y Existing Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Existing Green New & Emerging N Non-Green Task			Prepare test stations, instrumentation, or data acquisition systems for use			
17-2141.01   Fuel Cell Engineers   Production of fuel cell systems   Read current literature, attend meetings or conferences, or talk with colleagues to stay abreast of new technology or competitive products.   Existing Green New & Emerging   Y   Existing Green Task	17-2141.01	Fuel Cell Engineers	in specific tests of fuel cell components or systems.	Existing Green New & Emerging	Υ	Existing Green Task
Read current literature, attend meetings or conferences, or talk with colleagues to stay abreast of new technology or competitive products.  17-2141.01 Fuel Cell Engineers Recommend or implement changes to fuel cell system designs. Existing Green New & Emerging Y Existing Green Task Simulator model fuel cell, motor, or other system information, using Simulation software programs. Existing Green New & Emerging Y Existing Green Task Validate design of fuel cells, fuel cell components, or fuel cell systems.  17-2141.01 Fuel Cell Engineers Validate design of fuel cells, fuel cell components, or fuel cell systems.  17-2141.01 Fuel Cell Engineers Validate design of fuel cells, fuel cell components, or fuel cell systems.  17-2141.01 Fuel Cell Engineers Validate design of fuel cells, fuel cell components, or fuel cell systems.  17-2141.01 Fuel Cell Engineers Validate design of fuel cell materials. Existing Green New & Emerging Y Existing Green Task Develop or evaluate systems or methods of hydrogen storage for fuel cell applications.  17-2141.01 Fuel Cell Engineers Develop or evaluate systems or methods of hydrogen storage for fuel cell applications.  17-2141.01 Fuel Cell Engineers Existing Green New & Emerging Y New Green Task Develop or evaluate systems or methods of hydrogen storage for fuel cell applications.  17-2141.01 Fuel Cell Engineers Existing Green New & Emerging Y New Green Task Existing Green New & Emerging Y New Green Task Alter or modify designs to obtain specified functional or operational performance.  17-2141.02 Automotive Engineers Build models for algorithm or control feature verification testing.  17-2141.02 Automotive Engineers Conduct automotive design reviews. Existing Green New & Emerging N Non-Green Task Conduct research studies to develop new concepts in the field of automotive Engineers Conduct or direct system-level automotive testing.  17-2141.02 Automotive Engineers Conduct automotive design reviews.  17-2141.02 Automotive Engineers Develop op indeprate control feature requirements. Exist			Provide technical consultation or direction related to the development or			
colleagues to stay abreast of new technology or competitive products.    Fuel Cell Engineers   Recommend or implement changes to fuel cell system designs.   Existing Green New & Emerging   Y   Existing Green Task	17-2141.01	Fuel Cell Engineers	production of fuel cell systems.	Existing Green New & Emerging	Υ	Existing Green Task
17-2141.01 Fuel Cell Engineers   Recommend or implement changes to fuel cell system designs.   Existing Green New & Emerging   Y   Existing Green Task			Read current literature, attend meetings or conferences, or talk with			
17-2141.01   Fuel Cell Engineers   Recommend or implement changes to fuel cell system designs.   Existing Green New & Emerging   Y   Existing Green Task			colleagues to stay abreast of new technology or competitive products.			
17-2141.01   Fuel Cell Engineers   Recommend or implement changes to fuel cell system designs.   Existing Green New & Emerging   Y   Existing Green Task	17-2141.01	Fuel Cell Engineers		Existing Green New & Emerging	Y	Existing Green Task
Simulate or model fuel cell, motor, or other system information, using simulation software programs.	17-2141.01	Fuel Cell Engineers	Recommend or implement changes to fuel cell system designs.		Υ	
Validate design of fuel cells, fuel cell components, or fuel cell systems.  17-2141.01 Fuel Cell Engineers  Write technical reports or proposals related to engineering projects. Existing Green New & Emerging Y Existing Green Task Develop or evaluate systems or methods of hydrogen storage for fuel cell applications.  Evaluate the power output, system cost, or environmental impact of new hydrogen New & Emerging Puel Cell Engineers  Fuel Cell Engineers  Evaluate the power output, system cost, or environmental impact of new hydrogen New & Emerging Puel Cell Engineers  Fuel Cell Engineers  Evaluate the power output, system cost, or environmental impact of new hydrogen or non-hydrogen fuel cell system designs.  Alter or modify designs to obtain specified functional or operational performance.  Evisiting Green New & Emerging Y New Green Task  Existing Green New & Emerging Y New Green Task  Revaluate the power output, system cost, or environmental impact of new hydrogen New & Emerging Puel Cell Engineers  Hydrogen or non-hydrogen fuel cell system designs.  Alter or modify designs to obtain specified functional or operational performance.  Existing Green New & Emerging N Non-Green Task  Calibrate vehicle systems, including control feature verification testing.  Calibrate vehicle systems, including control algorithms or other software systems.  Calibrate vehicle systems, including control algorithms or other software systems.  Existing Green New & Emerging N Non-Green Task  Conduct research studies to develop new concepts in the field of automotive Engineers  Conduct research studies to develop new concepts in the field of automotive Engineers  Conduct research studies to develop new concepts in the field of automotive Engineers  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Develop calibration methodologies, test methodologies, or tool			Simulate or model fuel cell, motor, or other system information, using			
Validate design of fuel cells, fuel cell components, or fuel cell systems.  Validate design of fuel cells, fuel cell components, or fuel cell systems.  Existing Green New & Emerging Y Existing Green Task  17-2141.01 Fuel Cell Engineers  Define specifications for fuel cell materials.  Develop or evaluate systems or methods of hydrogen storage for fuel cell applications.  Evaluate the power output, system cost, or environmental impact of new hydrogen or non-hydrogen fuel cell system designs.  Later or modify designs to obtain specified functional or operational performance.  Eviluation of each of algorithm or control feature verification testing.  Calibrate vehicle systems, including control algorithms or other software systems.  Later of conduct automotive design reviews.  Conduct or direct system-level automotive testing.  Conduct or direct system-level automotive testing.  Conduct or environmental impact of new hydrogen New & Emerging Non-Green Task  Conduct research studies to develop new concepts in the field of automotive Engineers  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Develop calibration methodologies, test methodologies, or tools.  Existing Green New & Emerging Non-Green Task  Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging Non-Green Task  Develop calibration methodologies, test methodologies, or tools.  Existing Green New & Emerging Non-Green Task  Non-Green Task  Develop or imp	17-2141.01	Fuel Cell Engineers	simulation software programs.	Existing Green New & Emerging	Υ	Existing Green Task
17-2141.01   Fuel Cell Engineers   Write technical reports or proposals related to engineering projects.   Existing Green New & Emerging   Y   Existing Green Task			Validate design of fuel cells, fuel cell components, or fuel cell systems.			
17-2141.01 Fuel Cell Engineers Write technical reports or proposals related to engineering projects. Existing Green New & Emerging Y New Green Task 17-2141.01 Fuel Cell Engineers Define specifications for fuel cell materials. Existing Green New & Emerging Y New Green Task 17-2141.01 Fuel Cell Engineers Develop or evaluate systems or methods of hydrogen storage for fuel cell applications. Existing Green New & Emerging Y New Green Task 17-2141.01 Fuel Cell Engineers Evaluate the power output, system cost, or environmental impact of new hydrogen or non-hydrogen fuel cell system designs.  Alter or modify designs to obtain specified functional or operational performance. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Build models for algorithm or control feature verification testing. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Conduct automotive design reviews. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Conduct automotive design reviews. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Conduct or direct system-level automotive testing. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Conduct or direct system-level automotive testing. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Conduct or activities with other functional units, such as procurement, maintenance, or quality control. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Develop calibration methodologies, test methodologies, or tools. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Develop or implement operating methods or procedures. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Develop or implement operating methods or procedures. Existing Green New & Emerging N Non-Green Task 17-2141.02 Automotive Engineers Develop or integrate control feature requirements. Existing Gre	17-2141.01	Fuel Cell Engineers		Existing Green New & Emerging	Y	Existing Green Task
17-2141.01   Fuel Cell Engineers   Define specifications for fuel cell materials.   Existing Green New & Emerging   Y   New Green Task		Ü	Write technical reports or proposals related to engineering projects.			
Develop or evaluate systems or methods of hydrogen storage for fuel cell applications.  Evaluate the power output, system cost, or environmental impact of new hydrogen or non-hydrogen fuel cell system designs.  Alter or modify designs to obtain specified functional or operational performance.  Alter or modify designs to obtain specified functional or operational performance.  Build models for algorithm or control feature verification testing.  Calibrate vehicle systems, including control algorithms or other software systems.  Calibrate vehicle systems, including control algorithms or other software systems.  Conduct automotive Engineers  Conduct automotive design reviews.  Existing Green New & Emerging N Non-Green Task  Existing Green New & Emerging N Non-Green Task  Existing Green New & Emerging N Non-Green Task  Conduct research studies to develop new concepts in the field of automotive Engineers  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging N Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging N Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging N Non-Green Task  Develop calibration methodologies, test methodologies, or tools.  Existing Green New & Emerging N Non-Green Task  Develop engineering specifications or cost estimates for automotive design concepts.  Existing Green New & Emerging N Non-Green Task  Develop engineering specifications or cost estimates for automotive design concepts.  Existing Green New & Emerging N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging N Non-Green Task  Non-Green Task	17-2141.01	Fuel Cell Engineers			Y	
17-2141.01 Fuel Cell Engineers applications. Existing Green New & Emerging Y New Green Task  Evaluate the power output, system cost, or environmental impact of new hydrogen or non-hydrogen fuel cell system designs.  Alter or modify designs to obtain specified functional or operational performance. Existing Green New & Emerging N Non-Green Task  17-2141.02 Automotive Engineers Build models for algorithm or control feature verification testing. Existing Green New & Emerging N Non-Green Task  Calibrate vehicle systems, including control algorithms or other software systems.  17-2141.02 Automotive Engineers Conduct automotive design reviews. Existing Green New & Emerging N Non-Green Task  17-2141.02 Automotive Engineers Conduct automotive design reviews. Existing Green New & Emerging N Non-Green Task  Conduct research studies to develop new concepts in the field of automotive Engineers automotive engineering. Existing Green New & Emerging N Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control. Existing Green New & Emerging N Non-Green Task  Develop engineering specifications or cost estimates for automotive design Green New & Emerging N Non-Green Task  Develop engineering specifications or cost estimates for automotive design Green New & Emerging N Non-Green Task  Existing Green New & Emerging N Non-Green Task  Existing Green New & Emerging N Non-Green Task  Existing Green New & Emerging N Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control. Existing Green New & Emerging N Non-Green Task  Develop engineering specifications or cost estimates for automotive design concepts. Existing Green New & Emerging N Non-Green Task  Develop engineering specifications or cost estimates for automotive design concepts. Existing Green New & Emerging N Non-Green Task  Develop or implement operating methods or procedures. Existing Green New & Emerging N Non-Green Task			•			
Evaluate the power output, system cost, or environmental impact of new hydrogen or non-hydrogen fuel cell system designs.  Alter or modify designs to obtain specified functional or operational performance.  Alter or modify designs to obtain specified functional or operational performance.  Existing Green New & Emerging N Non-Green Task  Develop engineers  Existing Green New & Emerging N Non-Green Task  Conduct automotive design reviews.  Existing Green New & Emerging N Non-Green Task  Conduct research studies to develop new concepts in the field of automotive Engineers  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging N Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging N Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging N Non-Green Task  Develop engineering specifications or cost estimates for automotive design concepts.  Existing Green New & Emerging N Non-Green Task  Develop engineering specifications or cost estimates for automotive design concepts.  Existing Green New & Emerging N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging N Non-Green Task  Non-Green Task	17-2141.01	Fuel Cell Engineers	applications.	Existing Green New & Emerging	Y	New Green Task
17-2141.02 Automotive Engineers			Evaluate the power output, system cost, or environmental impact of new			
Alter or modify designs to obtain specified functional or operational performance.  Automotive Engineers  Build models for algorithm or control feature verification testing.  Calibrate vehicle systems, including control algorithms or other software systems.  Calibrate vehicle systems, including control algorithms or other software systems.  Existing Green New & Emerging  N Non-Green Task  Calibrate vehicle systems, including control algorithms or other software systems.  Existing Green New & Emerging  N Non-Green Task  Conduct automotive design reviews.  Existing Green New & Emerging  N Non-Green Task  Conduct research studies to develop new concepts in the field of automotive Engineers  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging  N Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging  N Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging  N Non-Green Task  Develop engineering specifications or cost estimates for automotive adesign concepts.  Existing Green New & Emerging  N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging  N Non-Green Task  Existing Green New & Emerging  N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging  N Non-Green Task  Existing Green New & Emerging  N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging  N Non-Green Task	17-2141.01	Fuel Cell Engineers		Existing Green New & Emerging	Y	New Green Task
17-2141.02 Automotive Engineers  Build models for algorithm or control feature verification testing.  Calibrate vehicle systems, including control algorithms or other software systems.  Calibrate vehicle systems, including control algorithms or other software systems.  Existing Green New & Emerging N Non-Green Task  Automotive Engineers  Conduct automotive design reviews.  Existing Green New & Emerging N Non-Green Task  Conduct research studies to develop new concepts in the field of automotive Engineers  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Coordinate Engineers  Coordinate production methodologies, test methodologies, or tools.  Existing Green New & Emerging N Non-Green Task  Coordinate production methodologies, test methodologies, or tools.  Existing Green New & Emerging N Non-Green Task  Non-Green Task  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging N Non-Green Task  Automotive Engineers  Develop engineering specifications or cost estimates for automotive design concepts.  Existing Green New & Emerging N Non-Green Task  Non-Green Task  Develop engineering specifications or cost estimates for automotive design concepts.  Existing Green New & Emerging N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging N Non-Green Task  Automotive Engineers  Develop or implement operating methods or procedures.  Existing Green New & Emerging N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging N Non-Green Task			Alter or modify designs to obtain specified functional or operational			
17-2141.02   Automotive Engineers   Build models for algorithm or control feature verification testing.   Existing Green New & Emerging   N   Non-Green Task	17-2141.02	Automotive Engineers		Existing Green New & Emerging	N	Non-Green Task
Calibrate vehicle systems, including control algorithms or other software systems.  Existing Green New & Emerging N Non-Green Task Conduct automotive design reviews.  Existing Green New & Emerging N Non-Green Task Conduct research studies to develop new concepts in the field of automotive Engineers Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Existing Green New & Emerging N Non-Green Task Coordinate production methodologies, test methodologies, or tools.  Existing Green New & Emerging N Non-Green Task Non-Green Task Existing Green New & Emerging N Non-Green Task Coordinate production activities with other functional units, such as procurement, maintenance, or quality control. Existing Green New & Emerging N Non-Green Task Develop calibration methodologies, test methodologies, or tools. Existing Green New & Emerging N Non-Green Task Develop engineering specifications or cost estimates for automotive design concepts. Existing Green New & Emerging N Non-Green Task Develop or implement operating methods or procedures. Existing Green New & Emerging N Non-Green Task Non-Green Task Automotive Engineers Develop or implement operating methods or procedures. Existing Green New & Emerging N Non-Green Task Non-Green Task Develop or integrate control feature requirements. Existing Green New & Emerging N Non-Green Task			Build models for algorithm or control feature verification testing.			Non-Green Task
17-2141.02 Automotive Engineers  Conduct automotive design reviews.  Conduct or direct system-level automotive testing.  Conduct research studies to develop new concepts in the field of automotive Engineers  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Coordinate Engineers  Coordinate Production methodologies, test methodologies, or tools.  Develop engineering specifications or cost estimates for automotive Engineers  Develop engineers  Develop or implement operating methods or procedures.  Develop or integrate control feature requirements.  Existing Green New & Emerging  N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging  N Non-Green Task  Existing Green New & Emerging  N Non-Green Task  Existing Green New & Emerging  N Non-Green Task  Non-Green Task  Existing Green New & Emerging  N Non-Green Task  T-2141.02 Automotive Engineers  Develop or implement operating methods or procedures.  Existing Green New & Emerging  N Non-Green Task  Non-Green Task			<u> </u>			
17-2141.02 Automotive Engineers  Conduct automotive design reviews.  Conduct or direct system-level automotive testing.  Conduct research studies to develop new concepts in the field of automotive Engineers  Coordinate production activities with other functional units, such as procurement, maintenance, or quality control.  Coordinate Engineers  Coordinate Production methodologies, test methodologies, or tools.  Develop engineering specifications or cost estimates for automotive Engineers  Develop engineers  Develop or implement operating methods or procedures.  Develop or integrate control feature requirements.  Existing Green New & Emerging  N Non-Green Task  Develop or implement operating methods or procedures.  Existing Green New & Emerging  N Non-Green Task  Existing Green New & Emerging  N Non-Green Task  Existing Green New & Emerging  N Non-Green Task  Non-Green Task  Existing Green New & Emerging  N Non-Green Task  T-2141.02 Automotive Engineers  Develop or implement operating methods or procedures.  Existing Green New & Emerging  N Non-Green Task  Non-Green Task	17-2141.02	Automotive Engineers			N	Non-Green Task
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17-2141.02 Automotive Engineers Develop or integrate control feature requirements. Existing Green New & Emerging N Non-Green Task						
		· ·				
		· ·	Establish production or quality control standards.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
17-2141.02	Automotive Engineers	Perform failure, variation, or root cause analyses.	Existing Green New & Emerging	N	Non-Green Task
17-2141.02	Automotive Engineers	Prepare or present technical or project status reports.	Existing Green New & Emerging	N	Non-Green Task
		Provide technical direction to other engineers or engineering support			
17-2141.02	Automotive Engineers	personnel.	Existing Green New & Emerging	N	Non-Green Task
		Read current literature, attend meetings or conferences, or talk with			
		colleagues to stay abreast of new automotive technology or competitive			
17-2141.02	Automotive Engineers	products.	Existing Green New & Emerging	N	Non-Green Task
17-2141.02	Automotive Engineers	Write, review, or maintain engineering documentation.	Existing Green New & Emerging	N	Non-Green Task
		Design control systems or algorithms for purposes such as automotive			
		energy management, emissions management, or increased operational			
17-2141.02	Automotive Engineers	safety or performance.	Existing Green New & Emerging	Υ	Existing Green Task
		Design or analyze automobile systems in areas such as aerodynamics,			
		alternate fuels, ergonomics, hybrid power, brakes, transmissions, steering	,		
17-2141.02	Automotive Engineers	calibration, safety, or diagnostics.	Existing Green New & Emerging	Υ	Existing Green Task
		Create design alternatives for vehicle components, such as camless or dua			
		clutch engines or alternative air-conditioning systems, to increase fuel			
17-2141.02	Automotive Engineers	efficiency.	Existing Green New & Emerging	Υ	New Green Task
		Design vehicles for increased recyclability or use of natural, renewable, o	1		
17-2141.02	Automotive Engineers	recycled materials in vehicle construction.	Existing Green New & Emerging	Υ	New Green Task
		Design vehicles that use lighter materials, such as aluminum, magnesium			
17-2141.02	Automotive Engineers	alloy, or plastic, to improve fuel efficiency.	Existing Green New & Emerging	Υ	New Green Task
		Develop specifications for vehicles powered by alternative fuels or			
17-2141.02	Automotive Engineers	alternative power methods.	Existing Green New & Emerging	Υ	New Green Task
		Research computerized automotive applications, such as telemetrics,			
		intelligent transportation systems, artificial intelligence, or automatic			
17-2141.02	Automotive Engineers	control.	Existing Green New & Emerging	Υ	New Green Task
		Research or implement green automotive technologies involving			
		alternative fuels, electric or hybrid cars, or lighter or more fuel-efficient			
17-2141.02	Automotive Engineers	vehicles.	Existing Green New & Emerging	Υ	New Green Task
		Conduct tests of nuclear fuel behavior and cycles or performance of			
		nuclear machinery and equipment to optimize performance of existing			
17-2161.00	Nuclear Engineers	plants.	Green Enhanced Skills	N	Non-Green Task
		Consult with other scientists to determine parameters of experimentation			
17-2161.00	Nuclear Engineers	or suitability of analytical models.	Green Enhanced Skills	N	Non-Green Task
		Design or develop nuclear equipment, such as reactor cores, radiation			
		shielding, or associated instrumentation or control mechanisms.			
17-2161.00	Nuclear Engineers		Green Enhanced Skills	N	Non-Green Task

O*NET-				G	T. 4.C. T. 1
SOC Code	O*NET-SOC Title	Task  Design or direct nuclear research projects to test or modify theoretical	Туре	Green Task	Type of Green Task
		models, develop new theoretical models, or discover new uses for current			
17 2161 00	Nuclear Engineers	models.	Green Enhanced Skills	N.	Non-Green Task
17-2101.00	Nuclear Engineers		Green Ennanced Skills	N	Non-Green Task
		Design or oversee construction or operation of nuclear reactors or power plants or nuclear fuels reprocessing and reclamation systems.			
17 2161 00	Nicology Engineers	plants of nuclear fuers reprocessing and recramation systems.	One of Fahanaad Okilla		New Owner Teels
17-2161.00	Nuclear Engineers		Green Enhanced Skills	N	Non-Green Task
17 2161 00	Nicology Engineers	Discuss construction project proposals with interested parties, such as vendors, contractors, or nuclear facility review boards.	One of Fahanaad Okilla		New Owen Teels
17-2161.00	Nuclear Engineers		Green Enhanced Skills	N	Non-Green Task
17 21 11 00		Examine accidents to obtain data that can be used to design preventive			
17-2161.00	Nuclear Engineers	measures.	Green Enhanced Skills	N	Non-Green Task
		Initiate corrective actions or order plant shutdowns in emergency			
17-2161.00	Nuclear Engineers	situations.	Green Enhanced Skills	N	Non-Green Task
		Keep abreast of developments and changes in the nuclear field by reading	,		
17-2161.00	Nuclear Engineers	technical journals or by independent study and research.	Green Enhanced Skills	N	Non-Green Task
		Monitor nuclear facility operations to identify any design, construction, or	r		
		operation practices that violate safety regulations and laws or that could			
17-2161.00	Nuclear Engineers	jeopardize the safety of operations.	Green Enhanced Skills	N	Non-Green Task
		Prepare technical reports of findings or recommendations, based on			
17-2161.00	Nuclear Engineers	synthesized analyses of test results.	Green Enhanced Skills	N	Non-Green Task
		Recommend preventive measures to be taken in the handling of nuclear			
		technology, based on data obtained from operations monitoring or from			
17-2161.00	Nuclear Engineers	evaluation of test results.	Green Enhanced Skills	N	Non-Green Task
		Conduct environmental studies related to topics such as nuclear power			
		generation, nuclear waste disposal, or nuclear weapon deployment.			
17-2161.00	Nuclear Engineers		Green Enhanced Skills	Y	Existing Green Task
1, 2101.00	Truefell Engineers	Direct operating or maintenance activities of operational nuclear power	Crosm Emilianeda Cilina		Exioting Groom rack
		plants to ensure efficiency and conformity to safety and environmental			
17-2161 00	Nuclear Engineers	standards.	Green Enhanced Skills	Υ	Existing Green Task
17-2101.00	Nuclear Engineers	Perform experiments that will provide information about acceptable	Green Emilanced Skills	ı	LXISTING Green Task
		methods of nuclear material usage, nuclear fuel reclamation, or waste			
17 2161 00	Nuclear Engineers	disposal.	Cross Enhanced Chills	V	Eviatia a Casaa Taala
17-2101.00	Nuclear Engineers	Write operational instructions to be used in nuclear plant operation or	Green Enhanced Skills	Y	Existing Green Task
17 21 61 00	N I E		0 5 1 101 11		5 · · · · · · · · · · · · · · · · · · ·
1/-2161.00	Nuclear Engineers	nuclear fuel or waste handling and disposal.	Green Enhanced Skills	Y	Existing Green Task
4.7.04.55		Design fuel cycle models or processes to reduce the quantity of			
17-2161.00	Nuclear Engineers	radioactive waste generated from nuclear activities.	Green Enhanced Skills	Y	New Green Task
		Develop or contribute to the development of plans to remediate or restore			
		environments affected by nuclear radiation, such as waste disposal sites.			
17-2161.00	Nuclear Engineers		Green Enhanced Skills	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Prepare environmental impact statements, reports, or presentations for			
17-2161.00	Nuclear Engineers	regulatory or other agencies.	Green Enhanced Skills	Υ	New Green Task
		Design or direct bench or pilot production experiments to determine the			
		scale of production methods that optimize product yield and minimize			
17-2199.01	Biochemical Engineers	production costs.	Existing Green New & Emerging	N	Non-Green Task
		Review existing manufacturing processes to identify opportunities for			
17-2199.01	Biochemical Engineers	yield improvement or reduced process variation.	Existing Green New & Emerging	N	Non-Green Task
		Advise manufacturing staff regarding problems with fermentation,			
17-2199.01	Biochemical Engineers	filtration, or other bioproduction processes.	Existing Green New & Emerging	N	Non-Green Task
		Collaborate in the development or delivery of biochemical manufacturing			
17-2199.01	Biochemical Engineers	training materials.	Existing Green New & Emerging	N	Non-Green Task
		Collaborate with manufacturing or quality assurance staff to prepare			
		product specification or safety sheets, standard operating procedures, user	•		
17-2199.01	Biochemical Engineers	manuals, or qualification and validation reports.	Existing Green New & Emerging	N	Non-Green Task
		Communicate with bioregulatory authorities regarding licensing or			
17-2199.01	Biochemical Engineers	compliance responsibilities.	Existing Green New & Emerging	N	Non-Green Task
		Communicate with suppliers regarding the design or specifications of			
17-2199.01	Biochemical Engineers	bioproduction equipment, instrumentation, or materials.	Existing Green New & Emerging	N	Non-Green Task
		Confer with research and biomanufacturing personnel to ensure the			
17-2199.01	Biochemical Engineers	compatibility of design and production.	Existing Green New & Emerging	N	Non-Green Task
		Consult with chemists or biologists to develop or evaluate novel			
17-2199.01	Biochemical Engineers	technologies.	Existing Green New & Emerging	N	Non-Green Task
		Design or conduct follow-up experimentation, based on generated data, to			
17-2199.01	Biochemical Engineers	meet established process objectives.	Existing Green New & Emerging	N	Non-Green Task
		Design or conduct studies to determine optimal conditions for cell growth			
		protein production, or protein or virus expression or recovery, using			
		chromatography, separation, or filtration equipment, such as centrifuges			
17-2199.01	Biochemical Engineers	or bioreactors.	Existing Green New & Emerging	N	Non-Green Task
		Develop methodologies for transferring procedures or biological processe			
		from laboratories to commercial-scale manufacturing production.			
17-2199.01	Biochemical Engineers		Existing Green New & Emerging	N	Non-Green Task
		Develop statistical models or simulations of biochemical production,			
17-2199.01	Biochemical Engineers	using statistical or modeling software.	Existing Green New & Emerging	N	Non-Green Task
		Direct experimental or developmental activities at contracted laboratories			
17-2199.01	Biochemical Engineers		Existing Green New & Emerging	N	Non-Green Task
		Lead studies to examine or recommend changes in process sequences or			
17-2199.01	Biochemical Engineers	operation protocols.	Existing Green New & Emerging	N	Non-Green Task
17-2199.01	Biochemical Engineers	Maintain databases of experiment characteristics or results.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Modify or control biological systems to replace, augment, or sustain			
17-2199.01	Biochemical Engineers	chemical or mechanical processes.	Existing Green New & Emerging	N	Non-Green Task
17-2199.01	Biochemical Engineers	Participate in equipment or process validation activities.	Existing Green New & Emerging	N	Non-Green Task
		Prepare piping or instrumentation diagrams or other schematics for			
		proposed process improvements, using computer-aided design software.			
17-2199.01	Biochemical Engineers		Existing Green New & Emerging	N	Non-Green Task
		Prepare project plans for biochemical equipment or facility improvements	S		
		including time lines, budgetary estimates, or capital spending requests.			
17-2199.01	Biochemical Engineers		Existing Green New & Emerging	N	Non-Green Task
		Prepare technical reports, data summary documents, or research articles			
		for scientific publication, regulatory submissions, or patent applications.			
17-2199.01	Biochemical Engineers		Existing Green New & Emerging	N	Non-Green Task
		Read current scientific or trade literature to stay abreast of scientific,			
17-2199.01	Biochemical Engineers	industrial, or technological advances.	Existing Green New & Emerging	N	Non-Green Task
		Recommend biochemical process formulas, instrumentation, or equipmen	1		
		specifications, based on results of bench or pilot experimentation.			
17-2199.01	Biochemical Engineers		Existing Green New & Emerging	N	Non-Green Task
		Devise scalable recovery, purification, or fermentation processes for			
		producing proteins or other biological substances for human or animal			
		therapeutic use, food production or processing, biofuels, or effluent			
17-2199.01	Biochemical Engineers	treatment.	Existing Green New & Emerging	Y	Existing Green Task
		Develop experiments to determine production methods that minimize			
17-2199.01	Biochemical Engineers	pollution or waste.	Existing Green New & Emerging	Y	New Green Task
		Review existing biomanufacturing processes to ensure compliance with			
17-2199.01	Biochemical Engineers	environmental regulations.	Existing Green New & Emerging	Y	New Green Task
		Create simulations or models to predict the impact of environmental			
		factors, such as pollutants, climate change, or environmental remediation			
17-2199.01	Biochemical Engineers	efforts.	Existing Green New & Emerging	Υ	New Green Task
		Design processes to manufacture synthetic molecules for applications			
17-2199.01	Biochemical Engineers	such as pharmaceuticals or pesticides.	Existing Green New & Emerging	Υ	New Green Task
		Design products to measure or monitor airborne pollutants, such as			
17-2199.01	Biochemical Engineers	carbon monoxide, nitrogen dioxide, ozone, or particulate matter.	Existing Green New & Emerging	Υ	New Green Task
		Develop alternative processes to produce crude oil, such as extraction			
		from diatoms or thermochemical conversion of manure or other wastes.			
17-2199.01	Biochemical Engineers		Existing Green New & Emerging	Υ	New Green Task
		Develop biocatalytic processes to convert biomass to fuels or fine			
		chemicals, using enzymes of bacteria, yeast, or other microorganisms.			
17-2199.01	Biochemical Engineers		Existing Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Develop bioremediation processes to reduce pollution, protect the			
17-2199.01	Biochemical Engineers	environment, or treat waste products.	Existing Green New & Emerging	Υ	New Green Task
		Develop processes or products, such as natural recovery monitoring, in-			
		situ capping or treatment, or sediment removal, to treat contamination of			
17-2199.01	Biochemical Engineers	subaqueous sediment .	Existing Green New & Emerging	Υ	New Green Task
		Develop recovery processes to separate or purify products from			
17-2199.01	Biochemical Engineers	fermentation broths or slurries.	Existing Green New & Emerging	Y	New Green Task
		Develop toxicological or environmental testing processes to measure			
17-2199.01	Biochemical Engineers	chemical toxicity or environmental impact.	Existing Green New & Emerging	Y	New Green Task
		Analyze validation test data to determine whether systems or processes			
		have met validation criteria or to identify root causes of production			
17-2199.02	Validation Engineers	problems.	Existing Green New & Emerging	N	Non-Green Task
		Assist in training equipment operators or other staff on validation			
17-2199.02	Validation Engineers	protocols and standard operating procedures.	Existing Green New & Emerging	N	Non-Green Task
		Communicate with regulatory agencies regarding compliance			
17-2199.02	Validation Engineers	documentation or validation results.	Existing Green New & Emerging	N	Non-Green Task
		Conduct audits of validation or performance qualification processes to			
17-2199.02	Validation Engineers	ensure compliance with internal or regulatory requirements.	Existing Green New & Emerging	N	Non-Green Task
		Conduct validation or qualification tests of new or existing processes,			
		equipment, or software in accordance with internal protocols or external			
17-2199.02	Validation Engineers	standards.	Existing Green New & Emerging	N	Non-Green Task
		Coordinate the implementation or scheduling of validation testing with			
17-2199.02	Validation Engineers	affected departments and personnel.	Existing Green New & Emerging	N	Non-Green Task
		Create, populate, or maintain databases for tracking validation activities,			
17-2199.02	Validation Engineers	test results, or validated systems.	Existing Green New & Emerging	N	Non-Green Task
		Design validation study features, such as sampling, testing, or analytical			
17-2199.02	Validation Engineers	methodologies.	Existing Green New & Emerging	N	Non-Green Task
		Develop validation master plans, process flow diagrams, test cases, or			
17-2199.02	Validation Engineers	standard operating procedures.	Existing Green New & Emerging	N	Non-Green Task
		Devise automated lab validation test stations or other test fixtures or			
	Validation Engineers	equipment.	Existing Green New & Emerging	N	Non-Green Task
17-2199.02	Validation Engineers	Direct validation activities, such as protocol creation or testing.	Existing Green New & Emerging	N	Non-Green Task
		Draw samples of raw materials, intermediate products, or finished			
	Validation Engineers	products for validation testing.	Existing Green New & Emerging	N	Non-Green Task
17-2199.02	Validation Engineers	Maintain validation test equipment.	Existing Green New & Emerging	N	Non-Green Task
		Participate in internal or external training programs to maintain			
		knowledge of validation principles, industry trends, or novel technologies			
17-2199.02	Validation Engineers		Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Prepare detailed reports or design statements based on results of			
		validation and qualification tests or reviews of procedures and protocols.			
17-2199.02	Validation Engineers		Existing Green New & Emerging	N	Non-Green Task
		Prepare validation or performance qualification protocols for new or			
		modified manufacturing processes, systems, or equipment for			
17-2199.02	Validation Engineers	pharmaceutical, electronics, or other types of production.	Existing Green New & Emerging	N	Non-Green Task
		Prepare, maintain, or review validation and compliance documentation,			
		such as engineering change notices, schematics, or protocols.			
17-2199.02	Validation Engineers		Existing Green New & Emerging	N	Non-Green Task
		Recommend resolution of identified deviations from established product			
17-2199.02	Validation Engineers	or process standards.	Existing Green New & Emerging	N	Non-Green Task
		Resolve testing problems by modifying testing methods or revising test			
17-2199.02	Validation Engineers	objectives and standards.	Existing Green New & Emerging	N	Non-Green Task
		Study product characteristics or customer requirements to determine			
17-2199.02	Validation Engineers	validation objectives and standards.	Existing Green New & Emerging	N	Non-Green Task
		Plan or conduct validation testing of alternative energy products, such as			
		synthetic jet fuels or energy storage systems, such as fuel cells.			
17-2199.02	Validation Engineers		Existing Green New & Emerging	Υ	New Green Task
		Validate or characterize sustainable or environmentally friendly products	,		
17-2199.02	Validation Engineers	using electronic testing platforms.	Existing Green New & Emerging	Υ	New Green Task
		Advise clients or colleagues on topics such as climate control systems,			
		energy modeling, data logging, sustainable design, or energy auditing.			
17-2199.03	Energy Engineers		Existing Green New & Emerging	Υ	Existing Green Task
		Analyze, interpret, or create graphical representations of energy data,			
17-2199.03	Energy Engineers	using engineering software.	Existing Green New & Emerging	Υ	Existing Green Task
		Collect data for energy conservation analyses, using jobsite observation,			
17-2199.03	Energy Engineers	field inspections, or sub-metering.	Existing Green New & Emerging	Υ	Existing Green Task
		Conduct energy audits to evaluate energy use and to identify conservation	n		
17-2199.03	Energy Engineers	and cost reduction measures.	Existing Green New & Emerging	Υ	Existing Green Task
		Consult with construction or renovation clients or other engineers on			
		topics such as Leadership in Energy and Environmental Design (LEED)			
17-2199.03	Energy Engineers	or Green Buildings.	Existing Green New & Emerging	Υ	Existing Green Task
17-2199.03	Energy Engineers	Direct the implementation of energy management projects.	Existing Green New & Emerging	Υ	Existing Green Task
		Identify and recommend energy savings strategies to achieve more energ	у		
17-2199.03	Energy Engineers	efficient operation.	Existing Green New & Emerging	Υ	Existing Green Task
		Inspect or monitor energy systems, including heating, ventilating, and air			
		conditioning (HVAC) or daylighting systems to determine energy use or			
17-2199.03	Energy Engineers	potential energy savings.	Existing Green New & Emerging	Υ	Existing Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Manage the development, design, or construction of energy conservation			
		projects to ensure acceptability of budgets and time lines, conformance to	1		
		federal and state laws, or adherence to approved specifications.			
	Energy Engineers		Existing Green New & Emerging	Y	Existing Green Task
17-2199.03	Energy Engineers	Monitor and analyze energy consumption.	Existing Green New & Emerging	Υ	Existing Green Task
		Monitor energy related design or construction issues, such as energy			
17-2199.03	Energy Engineers	engineering, energy management, or sustainable design.	Existing Green New & Emerging	Υ	Existing Green Task
		Perform energy modeling, measurement, verification, commissioning, or			
17-2199.03	Energy Engineers	retro-commissioning.	Existing Green New & Emerging	Υ	Existing Green Task
17-2199.03	Energy Engineers	Prepare energy-related project reports or related documentation.	Existing Green New & Emerging	Y	Existing Green Task
		Promote awareness or use of alternative or renewable energy sources.			
17-2199.03	Energy Engineers		Existing Green New & Emerging	Y	Existing Green Task
17-2199.03	Energy Engineers	Recommend best fuel for specific sites or circumstances.	Existing Green New & Emerging	Y	Existing Green Task
	3. 3	Research renewable or alternative energy systems or technologies, such a			
17-2199.03	Energy Engineers	solar thermal or photovoltaic energy.	Existing Green New & Emerging	Y	Existing Green Task
	<u> </u>	Review architectural, mechanical, or electrical plans or specifications to	0 0		
17-2199.03	Energy Engineers	evaluate energy efficiency.	Existing Green New & Emerging	Y	Existing Green Task
	Energy Engineers	Review or negotiate energy purchase agreements.	Existing Green New & Emerging	Y	Existing Green Task
	Energy Engineers	Train personnel or clients on topics such as energy management.	Existing Green New & Emerging	Y	Existing Green Task
	Energy Engineers	Verify energy bills and meter readings.	Existing Green New & Emerging	Y	Existing Green Task
	<i>5, 5</i>	Write or install energy management routines for building automation			J 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
17-2199.03	Energy Engineers	systems.	Existing Green New & Emerging	Y	New Green Task
	- 67 6	Apply continuous improvement methods such as lean manufacturing to		-	
		enhance manufacturing quality, reliability, or cost-effectiveness.			
17-2199.04	Manufacturing Engineers		Existing Green New & Emerging	N	Non-Green Task
		Communicate manufacturing capabilities, production schedules, or other			
17-2199.04	Manufacturing Engineers	information to facilitate production processes.	Existing Green New & Emerging	N	Non-Green Task
-,,,,,,		Design layout of equipment or workspaces to achieve maximum	Zamening Green Hear & Zamenganing		Tron Green ruen
17-2199 04	Manufacturing Engineers	efficiency.	Existing Green New & Emerging	N	Non-Green Task
1, 21,,,,,,,	Triansactoring Engineers	Design methods to test finished products or process capabilities to			Tron Groom rack
17-2199 04	Manufacturing Engineers	establish standards or validate process requirements.	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Engineers	Design, install, or troubleshoot manufacturing equipment.	Existing Green New & Emerging	N	Non-Green Task
1, 21,,,,,,,		Determine root causes of failures or recommend changes in designs,	Existing Green New & Emerging	14	TON OTOON TOOK
		tolerances, or processing methods, using statistical procedures.			
17-2199 04	Manufacturing Engineers	totalites, or processing memous, using sumsteal procedures.	Existing Green New & Emerging	N	Non-Green Task
17-2177.04	Trianaractaring Engineers	Estimate costs, production times, or staffing requirements for new	Existing Green New & Emerging	IN	Non-Oreen rask
	Manufacturing Engineers	designs.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Evaluate manufactured products according to specifications and quality			
17-2199.04	Manufacturing Engineers	standards.	Existing Green New & Emerging	N	Non-Green Task
		Identify opportunities or implement changes to improve manufacturing			
		processes or products or reduce costs, using knowledge of fabrication			
		processes, tooling and production equipment, assembly methods, quality			
		control standards, or product design, materials and parts.			
17-2199.04	Manufacturing Engineers		Existing Green New & Emerging	N	Non-Green Task
		Incorporate new manufacturing methods or processes to improve existing			
17-2199.04	Manufacturing Engineers	operations.	Existing Green New & Emerging	N	Non-Green Task
		Investigate or resolve operational problems, such as material use variance	4		
17-2199.04	Manufacturing Engineers	or bottlenecks.	Existing Green New & Emerging	N	Non-Green Task
	3 0	Prepare documentation for new manufacturing processes or engineering	3 3		
17-2199.04	Manufacturing Engineers	procedures.	Existing Green New & Emerging	N	Non-Green Task
		Prepare reports summarizing information or trends related to			
17-2199.04	Manufacturing Engineers	manufacturing performance.	Existing Green New & Emerging	N	Non-Green Task
17-2199.04	Manufacturing Engineers	Provide technical expertise or support related to manufacturing.	Existing Green New & Emerging	N	Non-Green Task
17-2199.04	Manufacturing Engineers	Purchase equipment, materials, or parts.	Existing Green New & Emerging	N	Non-Green Task
		Read current literature, talk with colleagues, participate in educational			
		programs, attend meetings, attend workshops, or participate in			
		professional organizations or conferences to keep abreast of developments	s		
17-2199.04	Manufacturing Engineers	in the manufacturing field.	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Engineers	Review product designs for manufacturability or completeness.	Existing Green New & Emerging	N	Non-Green Task
		Supervise technicians, technologists, analysts, administrative staff, or			
17-2199.04	Manufacturing Engineers	other engineers.	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Engineers	Train production personnel in new or existing methods.	Existing Green New & Emerging	N	Non-Green Task
	8 8	Troubleshoot new or existing product problems involving designs,			
17-2199.04	Manufacturing Engineers	materials, or processes.	Existing Green New & Emerging	N	Non-Green Task
		Analyze the financial impacts of sustainable manufacturing such as by			
		implementing sustainable manufacturing processes or manufacturing			
17-2199.04	Manufacturing Engineers	sustainable products.	Existing Green New & Emerging	Y	New Green Task
1, 21,,,,,,,	Intuition of the second	Develop sustainable manufacturing technologies to reduce greenhouse ga			Tron Groon rack
		emissions, minimize raw material use, replace toxic materials with non-			
		toxic materials, replace non-renewable materials with renewable			
17-2199 04	Manufacturing Engineers	materials, or reduce waste.	Existing Green New & Emerging	Y	New Green Task
1, 21,,,,,,,	Transferring Digmoots	Evaluate current or proposed manufacturing processes or practices for	Existing Green New & Emerging	'	THOM OTCOTT TASK
		environmental sustainability, considering factors such as green house gas			
		emissions, air pollution, water pollution, energy use, or waste creation.			
17 2100 04	Manufacturing Engineers	political, and political, water political, energy ase, of waste election.	Existing Groop Now 9 Emoraina	V	Now Groop Took
17-2199.04	ivianuracturing Engineers		Existing Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Redesign packaging for manufactured products to minimize raw material			
17-2199.04	Manufacturing Engineers	use or waste.	Existing Green New & Emerging	Y	New Green Task
		Analyze existing development or manufacturing procedures and suggest			
17-2199.05	Mechatronics Engineers	improvements.	Existing Green New & Emerging	N	Non-Green Task
		Apply mechatronic or automated solutions to the transfer of materials,			
17-2199.05	Mechatronics Engineers	components, or finished goods.	Existing Green New & Emerging	N	Non-Green Task
17-2199.05	Mechatronics Engineers	Create embedded software design programs.	Existing Green New & Emerging	N	Non-Green Task
		Create mechanical design documents for parts, assemblies, or finished			
17-2199.05	Mechatronics Engineers	products.	Existing Green New & Emerging	N	Non-Green Task
		Create mechanical models to simulate mechatronic design concepts.			
17-2199.05	Mechatronics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Design advanced electronic control systems for mechanical systems.			
17-2199.05	Mechatronics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Design advanced precision equipment for accurate or controlled			
	Mechatronics Engineers	applications.	Existing Green New & Emerging	N	Non-Green Task
17-2199.05	Mechatronics Engineers	Design engineering systems for the automation of industrial tasks.	Existing Green New & Emerging	N	Non-Green Task
		Design mechatronics components for computer-controlled products, such			
		as cameras, video recorders, automobiles, or airplanes.			
17-2199.05	Mechatronics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Design, develop, or implement control circuits or algorithms for			
17-2199.05	Mechatronics Engineers	electromechanical or pneumatic devices or systems.	Existing Green New & Emerging	N	Non-Green Task
		Determine the feasibility, costs, or performance benefits of new			
17-2199.05	Mechatronics Engineers	mechatronic equipment.	Existing Green New & Emerging	N	Non-Green Task
		Develop electronic, mechanical, or computerized processes to perform			
		tasks in dangerous situations, such as underwater exploration or			
17-2199.05	Mechatronics Engineers	extraterrestrial mining.	Existing Green New & Emerging	N	Non-Green Task
17-2199.05	Mechatronics Engineers	Identify materials appropriate for mechatronic system designs.	Existing Green New & Emerging	N	Non-Green Task
17-2199.05	Mechatronics Engineers	Implement or test design solutions.	Existing Green New & Emerging	N	Non-Green Task
17-2199.05	Mechatronics Engineers	Maintain technical project files.	Existing Green New & Emerging	N	Non-Green Task
		Oversee the work of contractors in accordance with project requirements.			
17-2199.05	Mechatronics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Provide consultation or training on topics such as mechatronics or			
17-2199.05	Mechatronics Engineers	automated control.	Existing Green New & Emerging	N	Non-Green Task
	-	Publish engineering reports documenting design details or qualification			
17-2199.05	Mechatronics Engineers	test results.	Existing Green New & Emerging	N	Non-Green Task
		Research, select, or apply sensors, communication technologies, or control			
		devices for motion control, position sensing, pressure sensing, or			
17-2199.05	Mechatronics Engineers	electronic communication.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Upgrade the design of existing devices by adding mechatronic elements.			
17-2199.05	Mechatronics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Design or develop automated control systems for environmental			
		applications, such as waste processing, air quality, or water quality			
17-2199.05	Mechatronics Engineers	systems.	Existing Green New & Emerging	Y	New Green Task
		Design self-monitoring mechanical systems, such as gear systems that			
		monitor loading or condition of systems to detect and prevent failures.			
17-2199.05	Mechatronics Engineers		Existing Green New & Emerging	Υ	New Green Task
		Monitor or calibrate automated systems, industrial control systems, or			
17-2199.05	Mechatronics Engineers	system components to maximize efficiency of production.	Existing Green New & Emerging	Y	New Green Task
		Communicate operating characteristics or performance experience to other			
		engineers or designers for training or new product development purposes.			
17-2199.06	Microsystems Engineers		Existing Green New & Emerging	N	Non-Green Task
		Conduct acceptance tests, vendor-qualification protocols, surveys, audits,			
		corrective-action reviews, or performance monitoring of incoming			
		materials or components to ensure conformance to specifications.			
17-2199.06	Microsystems Engineers		Existing Green New & Emerging	N	Non-Green Task
		Conduct analyses addressing issues such as failure, reliability, or yield			
17-2199.06	Microsystems Engineers	improvement.	Existing Green New & Emerging	N	Non-Green Task
		Conduct experimental or virtual studies to investigate characteristics and			
		processing principles of potential microelectromechanical systems			
17-2199.06	Microsystems Engineers	(MEMS) technology.	Existing Green New & Emerging	N	Non-Green Task
		Conduct harsh environmental testing, accelerated aging, device			
		characterization, or field trials to validate devices, using inspection tools,			
		testing protocols, peripheral instrumentation, or modeling and simulation			
17-2199.06	Microsystems Engineers	software.	Existing Green New & Emerging	N	Non-Green Task
		Conduct or oversee the conduct of prototype development or			
		microfabrication activities to ensure compliance to specifications and			
17-2199.06	Microsystems Engineers	promote effective production processes.	Existing Green New & Emerging	N	Non-Green Task
	, ,	Create or maintain formal engineering documents, such as schematics,	3 3		
		bills of materials, components or materials specifications, or packaging			
17-2199.06	Microsystems Engineers	requirements.	Existing Green New & Emerging	N	Non-Green Task
	, ,	Create schematics and physical layouts of integrated	3 0		
		microelectromechanical systems (MEMS) components or packaged			
		assemblies consistent with process, functional, or package constraints.			
17 2100 06	Microsystems Engineers		Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Demonstrate miniaturized systems that contain components such as			
		microsensors, microactuators, or integrated electronic circuits fabricated			
17-2199.06	Microsystems Engineers	on silicon or silicon carbide wafers.	Existing Green New & Emerging	N	Non-Green Task
		Develop customer documentation, such as performance specifications,			
17-2199.06	Microsystems Engineers	training manuals, or operating instructions.	Existing Green New & Emerging	N	Non-Green Task
		Develop formal documentation for microelectromechanical systems			
		(MEMS) devices, including quality assurance guidance, quality control			
		protocols, process control checklists, data collection, or reporting.			
17-2199.06	Microsystems Engineers		Existing Green New & Emerging	N	Non-Green Task
		Develop or file intellectual property and patent disclosure or application			
		documents related to microelectromechanical systems (MEMS) devices,			
17-2199.06	Microsystems Engineers	products, or systems.	Existing Green New & Emerging	N	Non-Green Task
		Develop or implement microelectromechanical systems (MEMS)			
17-2199.06	Microsystems Engineers	processing tools, fixtures, gages, dies, molds, or trays.	Existing Green New & Emerging	N	Non-Green Task
		Develop or validate product-specific test protocols, acceptance thresholds			
		or inspection tools for quality control testing or performance			
17-2199.06	Microsystems Engineers	measurement.	Existing Green New & Emerging	N	Non-Green Task
		Develop or validate specialized materials characterization procedures,			
		such as thermal withstand, fatigue, notch sensitivity, abrasion, or hardness			
17-2199.06	Microsystems Engineers	tests.	Existing Green New & Emerging	N	Non-Green Task
		Devise microelectromechanical systems (MEMS) production methods,			
		such as integrated circuit fabrication, lithographic electroform modeling,			
17-2199.06	Microsystems Engineers	or micromachining.	Existing Green New & Emerging	N	Non-Green Task
		Evaluate materials, fabrication methods, joining methods, surface			
		treatments, or packaging to ensure acceptable processing, performance,			
17-2199.06	Microsystems Engineers	cost, sustainability, or availability.	Existing Green New & Emerging	N	Non-Green Task
		Identify, procure, or develop test equipment, instrumentation, or facilities			
		for characterization of microelectromechanical systems (MEMS)			
17-2199.06	Microsystems Engineers	applications.	Existing Green New & Emerging	N	Non-Green Task
		Investigate characteristics such as cost, performance, or process capability	4		
		of potential microelectromechanical systems (MEMS) device designs,			
17-2199.06	Microsystems Engineers	using simulation or modeling software.	Existing Green New & Emerging	N	Non-Green Task
		Manage new product introduction projects to ensure effective deployment	t		
		of microelectromechanical systems (MEMS) devices or applications.			
17-2199.06	Microsystems Engineers		Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Oversee operation of microelectromechanical systems (MEMS)			
		fabrication or assembly equipment, such as handling, singulation,			
17-2199.06	Microsystems Engineers	assembly, wire-bonding, soldering, or package sealing.	Existing Green New & Emerging	N	Non-Green Task
		Plan or schedule engineering research or development projects involving			
17-2199.06	Microsystems Engineers	microelectromechanical systems (MEMS) technology.	Existing Green New & Emerging	N	Non-Green Task
		Refine final microelectromechanical systems (MEMS) design to optimize			
		design for target dimensions, physical tolerances, or processing			
17-2199.06	Microsystems Engineers	constraints.	Existing Green New & Emerging	N	Non-Green Task
		Validate fabrication processes for microelectromechanical systems			
		(MEMS), using statistical process control implementation, virtual process			
17-2199.06	Microsystems Engineers	simulations, data mining, or life testing.	Existing Green New & Emerging	N	Non-Green Task
		Propose product designs involving microelectromechanical systems			
		(MEMS) technology considering factors such as market data,			
17-2199.06	Microsystems Engineers	environmental issues, or customer requirements.	Existing Green New & Emerging	Υ	Existing Green Task
		Design or develop energy products using nanomaterials or nanoprocesses.	,		
17-2199.06	Microsystems Engineers	such as micro-nano machining.	Existing Green New & Emerging	Υ	New Green Task
		Design or develop industrial air quality microsystems, such as carbon			
17-2199.06	Microsystems Engineers	dioxide fixing devices.	Existing Green New & Emerging	Υ	New Green Task
		Design or develop sensors to reduce the energy or resource requirements			
		to operate appliances, such as washing machines or dishwashing			
17-2199.06	Microsystems Engineers	machines.	Existing Green New & Emerging	Y	New Green Task
		Design sensors or switches that require little or no power to operate for			
		environmental monitoring or industrial metering applications.			
17-2199.06	Microsystems Engineers		Existing Green New & Emerging	Y	New Green Task
		Research or develop emerging microelectromechanical (MEMS) systems			
		to convert nontraditional energy sources into power, such as ambient			
		energy harvesters that convert environmental vibrations into usable			
17-2199.06	Microsystems Engineers	energy.	Existing Green New & Emerging	Υ	New Green Task
	Photonics Engineers	Analyze system performance or operational requirements.	Existing Green New & Emerging	N	Non-Green Task
	Photonics Engineers	Analyze, fabricate, or test fiber-optic links.	Existing Green New & Emerging	N	Non-Green Task
	Photonics Engineers	Assist in the transition of photonic prototypes to production.	Existing Green New & Emerging	N	Non-Green Task
17-2199.07	Photonics Engineers	Conduct research on new photonics technologies.	Existing Green New & Emerging	N	Non-Green Task
		Conduct testing to determine functionality or optimization or to establish			
	Photonics Engineers	limits of photonics systems or components.	Existing Green New & Emerging	N	Non-Green Task
	Photonics Engineers	Create or maintain photonic design histories.	Existing Green New & Emerging	N	Non-Green Task
17-2199.07	Photonics Engineers	Design electro-optical sensing or imaging systems.	Existing Green New & Emerging	N	Non-Green Task
		Design gas lasers, solid state lasers, infrared, or other light emitting or			
17-2199.07	Photonics Engineers	light sensitive devices.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Design laser-machining equipment for purposes such as high speed			
	Photonics Engineers	ablation.	Existing Green New & Emerging	N	Non-Green Task
17-2199.07	Photonics Engineers	Design, integrate, or test photonics systems or components.	Existing Green New & Emerging	N	Non-Green Task
		Determine applications of photonics appropriate to meet product			
17-2199.07	Photonics Engineers	objectives or features.	Existing Green New & Emerging	N	Non-Green Task
		Determine commercial, industrial, scientific, or other uses for electro-			
17-2199.07	Photonics Engineers	optical applications or devices.	Existing Green New & Emerging	N	Non-Green Task
		Develop laser-processed designs, such as laser-cut medical devices.			
17-2199.07	Photonics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Develop optical or imaging systems, such as optical imaging products,			
		optical components, image processes, signal process technologies, or			
17-2199.07	Photonics Engineers	optical systems.	Existing Green New & Emerging	N	Non-Green Task
17-2199.07	Photonics Engineers	Develop or test photonic prototypes or models.	Existing Green New & Emerging	N	Non-Green Task
		Document photonics system or component design processes, including			
17-2199.07	Photonics Engineers	objectives, issues, or outcomes.	Existing Green New & Emerging	N	Non-Green Task
		Oversee or provide expertise on manufacturing, assembly, or fabrication			
17-2199.07	Photonics Engineers	processes.	Existing Green New & Emerging	N	Non-Green Task
		Read current literature, talk with colleagues, continue education, or			
		participate in professional organizations or conferences to keep abreast of	•		
17-2199.07	Photonics Engineers	developments in the field.	Existing Green New & Emerging	N	Non-Green Task
		Select, purchase, set up, operate, or troubleshoot state-of-the-art laser			
17-2199.07	Photonics Engineers	cutting equipment.	Existing Green New & Emerging	N	Non-Green Task
17-2199.07	Photonics Engineers	Train operators, engineers, or other personnel.	Existing Green New & Emerging	N	Non-Green Task
		Write reports or proposals related to photonics research or development			
17-2199.07	Photonics Engineers	projects.	Existing Green New & Emerging	N	Non-Green Task
17-2199.07	Photonics Engineers	Design or develop new crystals for photonics applications.	Existing Green New & Emerging	Y	New Green Task
17-2199.07	Photonics Engineers	Design or redesign optical fibers to minimize energy loss.	Existing Green New & Emerging	Y	New Green Task
		Design photonics products, such as light sources, displays, or			
17-2199.07	Photonics Engineers	photovoltaics to achieve increased energy efficiency.	Existing Green New & Emerging	Υ	New Green Task
		Design solar energy photonics or other materials or devices to generate			
17-2199.07	Photonics Engineers	energy.	Existing Green New & Emerging	Y	New Green Task
		Develop photonics sensing or manufacturing technologies to improve the	- 0		
17-2199.07	Photonics Engineers	efficiency of manufacturing or related processes.	Existing Green New & Emerging	Υ	New Green Task
	Robotics Engineers	Automate assays on laboratory robotics.	Existing Green New & Emerging	N	Non-Green Task
	Robotics Engineers	Build, configure, or test robots or robotic applications.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Conduct research into the feasibility, design, operation, or performance o	f		
		robotic mechanisms, components, or systems, such as planetary rovers,			
		multiple mobile robots, reconfigurable robots, or man-machine			
17-2199.08	Robotics Engineers	interactions.	Existing Green New & Emerging	N	Non-Green Task
		Conduct research on robotic technology to create new robotic systems or			
17-2199.08	Robotics Engineers	system capabilities.	Existing Green New & Emerging	N	Non-Green Task
17-2199.08	Robotics Engineers	Create back-ups of robot programs or parameters.	Existing Green New & Emerging	N	Non-Green Task
		Design automated robotic systems to increase production volume or			
		precision in high-throughput operations, such as automated ribonucleic			
		acid (RNA) analysis or sorting, moving, or stacking production materials			
17-2199.08	Robotics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Design robotic systems, such as automatic vehicle control, autonomous			
		vehicles, advanced displays, advanced sensing, robotic platforms,			
17-2199.08	Robotics Engineers	computer vision, or telematics systems.	Existing Green New & Emerging	N	Non-Green Task
		Design software to control robotic systems for applications, such as			
17-2199.08	Robotics Engineers	military defense or manufacturing.	Existing Green New & Emerging	N	Non-Green Task
		Document robotic application development, maintenance, or changes.			
17-2199.08	Robotics Engineers		Existing Green New & Emerging	N	Non-Green Task
17-2199.08	Robotics Engineers	Evaluate robotic systems or prototypes.	Existing Green New & Emerging	N	Non-Green Task
17-2199.08	Robotics Engineers	Install, calibrate, operate, or maintain robots.	Existing Green New & Emerging	N	Non-Green Task
		Integrate robotics with peripherals, such as welders, controllers, or other			
17-2199.08	Robotics Engineers	equipment.	Existing Green New & Emerging	N	Non-Green Task
	<u>-</u>	Investigate mechanical failures or unexpected maintenance problems.			
17-2199.08	Robotics Engineers		Existing Green New & Emerging	N	Non-Green Task
17-2199.08	Robotics Engineers	Make system device lists or event timing charts.	Existing Green New & Emerging	N	Non-Green Task
17-2199.08	Robotics Engineers	Plan mobile robot paths and teach path plans to robots.	Existing Green New & Emerging	N	Non-Green Task
17-2199.08	Robotics Engineers	Process or interpret signals or sensor data.	Existing Green New & Emerging	N	Non-Green Task
17-2199.08	Robotics Engineers	Provide technical support for robotic systems.	Existing Green New & Emerging	N	Non-Green Task
17-2199.08	Robotics Engineers	Review or approve designs, calculations, or cost estimates.	Existing Green New & Emerging	N	Non-Green Task
17-2199.08	Robotics Engineers	Supervise, technologists, technicians, or other engineers.	Existing Green New & Emerging	N	Non-Green Task
		Write algorithms or programming code for ad hoc robotic applications.			
17-2199.08	Robotics Engineers		Existing Green New & Emerging	N	Non-Green Task
		Design or program robotics systems for environmental clean-up			
		applications to minimize human exposure to toxic or hazardous materials			
17-2199.08	Robotics Engineers	or to improve the quality or speed of clean-up operations.	Existing Green New & Emerging	Υ	New Green Task
		Design robotics applications for manufacturers of green products, such as	3		
		wind turbines or solar panels to increase production time, eliminate waste	2,		
17-2199.08	Robotics Engineers	or reduce costs.	Existing Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Conduct research related to a range of nanotechnology topics, such as			
		packaging, heat transfer, fluorescence detection, nanoparticle dispersion,			
		hybrid systems, liquid systems, nanocomposites, nanofabrication,			
		optoelectronics, or nanolithography.			
17-2199.09	Nanosystems Engineers		Existing Green New & Emerging	N	Non-Green Task
		Coordinate or supervise the work of suppliers or vendors in the designing			
		building, or testing of nanosystem devices, such as lenses or probes.			
17-2199.09	Nanosystems Engineers		Existing Green New & Emerging	N	Non-Green Task
		Create designs or prototypes for nanosystem applications, such as			
17-2199.09	Nanosystems Engineers	biomedical delivery systems or atomic force microscopes.	Existing Green New & Emerging	N	Non-Green Task
		Design or conduct tests of new nanotechnology products, processes, or			
17-2199.09	Nanosystems Engineers	systems.	Existing Green New & Emerging	N	Non-Green Task
		Design or engineer nanomaterials, nanodevices, nano-enabled products, o			
		nanosystems, using three-dimensional computer-aided design (CAD)			
17-2199.09	Nanosystems Engineers	software.	Existing Green New & Emerging	N	Non-Green Task
		Develop processes or identify equipment needed for pilot or commercial			
17-2199.09	Nanosystems Engineers	nanoscale scale production.	Existing Green New & Emerging	N	Non-Green Task
		Engineer production processes for specific nanotechnology applications,			
17-2199.09	Nanosystems Engineers	such as electroplating, nanofabrication, or epoxy.	Existing Green New & Emerging	N	Non-Green Task
		Generate high-resolution images or measure force-distance curves, using			
17-2199.09	Nanosystems Engineers	techniques such as atomic force microscopy.	Existing Green New & Emerging	N	Non-Green Task
17-2199.09	Nanosystems Engineers	Identify new applications for existing nanotechnologies.	Existing Green New & Emerging	N	Non-Green Task
		Prepare nanotechnology-related invention disclosures or patent			
17-2199.09	Nanosystems Engineers	applications.	Existing Green New & Emerging	N	Non-Green Task
		Prepare reports, deliver presentations, or participate in program review			
		activities to communicate engineering results or recommendations.			
17-2199.09	Nanosystems Engineers		Existing Green New & Emerging	N	Non-Green Task
		Provide scientific or technical guidance or expertise to scientists,			
		engineers, technologists, technicians, or others, using knowledge of			
		chemical, analytical, or biological processes as applied to micro and			
17-2199.09	Nanosystems Engineers	nanoscale systems.	Existing Green New & Emerging	N	Non-Green Task
		Provide technical guidance or support to customers on topics such as			
17-2199.09	Nanosystems Engineers	nanosystem start-up, maintenance, or use.	Existing Green New & Emerging	N	Non-Green Task
		Supervise technologists or technicians engaged in nanotechnology			
17-2199.09	Nanosystems Engineers	research or production.	Existing Green New & Emerging	N	Non-Green Task
		Synthesize, process, or characterize nanomaterials, using advanced tools			
17-2199.09	Nanosystems Engineers	or techniques.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Write proposals to secure external funding or to partner with other			
17-2199.09	Nanosystems Engineers	companies.	Existing Green New & Emerging	N	Non-Green Task
		Apply nanotechnology to improve the performance or reduce the			
		environmental impact of energy products, such as fuel cells or solar cells.			
17-2199.09	Nanosystems Engineers		Existing Green New & Emerging	Υ	New Green Task
		Design nano-based manufacturing processes to minimize water, chemical	l,		
17-2199.09	Nanosystems Engineers	or energy use, as well as to reduce waste production.	Existing Green New & Emerging	Υ	New Green Task
		Design nano-enabled products with reduced toxicity, increased durability	,		
17-2199.09	Nanosystems Engineers	or improved energy efficiency.	Existing Green New & Emerging	Υ	New Green Task
		Design nanoparticle catalysts to detect or remove chemical or other			
17-2199.09	Nanosystems Engineers	pollutants from water, soil, or air.	Existing Green New & Emerging	Y	New Green Task
		Design nanosystems with components such as nanocatalysts or			
		nanofiltration devices to clean specific pollutants from hazardous waste			
17-2199.09	Nanosystems Engineers	sites.	Existing Green New & Emerging	Υ	New Green Task
	, ,	Develop catalysis or other green chemistry methods to synthesize	3 3 5		
		nanomaterials, such as nanotubes, nanocrystals, nanorods, or nanowires.			
17-2199.09	Nanosystems Engineers		Existing Green New & Emerging	Y	New Green Task
	3 2	Develop green building nanocoatings, such as self-cleaning, anti-stain,			
		depolluting, anti-fogging, anti-icing, antimicrobial, moisture-resistant, or			
17-2199.09	Nanosystems Engineers	ultraviolet protectant coatings.	Existing Green New & Emerging	Y	New Green Task
		Integrate nanotechnology with antimicrobial properties into products,			Tron Groom rack
		such as household or medical appliances, to reduce the development of			
17-2199.09	Nanosystems Engineers	bacteria or other microbes.	Existing Green New & Emerging	Y	New Green Task
	Nanosystems Engineers	Reengineer nanomaterials to improve biodegradability.	Existing Green New & Emerging	Y	New Green Task
1, 21,,,,,,	Transporting Engineers	Analyze operation of wind farms or wind farm components to determine	Existing Groon New & Emerging		Trow Groom ruck
		reliability, performance, and compliance with specifications.			
17-2199 10	Wind Energy Engineers	,,,	New Green New & Emerging	Y	New Green Task
17 2177.10	Wind Energy Engineers	Create models to optimize the layout of wind farm access roads, crane	New Green New & Emerging		THOW GIGOTI TUSK
		pads, crane paths, collection systems, substations, switchyards, or			
17-2199 10	Wind Energy Engineers	transmission lines.	New Green New & Emerging	Υ	New Green Task
17-2177.10	White Energy Engineers	Create or maintain wind farm layouts, schematics, or other visual	New Green New & Emerging		New Green rask
17 2100 10	Wind Energy Engineers	documentation for wind farms.	Now Cross Now 9 Emerging	Υ	Now Croop Took
	Wind Energy Engineers Wind Energy Engineers	Design underground or overhead wind farm collector systems.	New Green New & Emerging	Y	New Green Task
17-2199.10	w ma energy engineers	Develop active control algorithms, electronics, software,	New Green New & Emerging	Y	New Green Task
17 2100 10	Wind Energy Engineers	electromechanical, or electrohydraulic systems for wind turbines.	New Crops New 9 Establish	Y	Now Croop Task
17-2199.10	Wind Energy Engineers		New Green New & Emerging	Y	New Green Task
		Develop specifications for wind technology components, such as			
15 2100 10	W. 15 5 .	gearboxes, blades, generators, frequency converters, and pad transformer			
17-2199.10	Wind Energy Engineers		New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Direct balance of plant (BOP) construction, generator installation, testing	5,		
		commissioning, or supervisory control and data acquisition (SCADA) to			
17-2199.10	Wind Energy Engineers	ensure compliance with specifications.	New Green New & Emerging	Υ	New Green Task
		Investigate experimental wind turbines or wind turbine technologies for			
17-2199.10	Wind Energy Engineers	properties such as aerodynamics, production, noise, and load.	New Green New & Emerging	Υ	New Green Task
		Monitor wind farm construction to ensure compliance with regulatory			
17-2199.10	Wind Energy Engineers	standards or environmental requirements.	New Green New & Emerging	Υ	New Green Task
		Oversee the work activities of wind farm consultants or subcontractors.			
17-2199.10	Wind Energy Engineers		New Green New & Emerging	Υ	New Green Task
		Perform root cause analysis on wind turbine tower component failures.			
17-2199.10	Wind Energy Engineers		New Green New & Emerging	Υ	New Green Task
		Provide engineering technical support to designers of prototype wind			
17-2199.10	Wind Energy Engineers	turbines.	New Green New & Emerging	Υ	New Green Task
		Recommend process or infrastructure changes to improve wind turbine			
		performance, reduce operational costs, or comply with regulations.			
17-2199.10	Wind Energy Engineers		New Green New & Emerging	Υ	New Green Task
		Test wind turbine components, using mechanical or electronic testing			
17-2199.10	Wind Energy Engineers	equipment.	New Green New & Emerging	Υ	New Green Task
		Test wind turbine equipment to determine effects of stress or fatigue.			
	Wind Energy Engineers		New Green New & Emerging	Υ	New Green Task
17-2199.10	Wind Energy Engineers	Write reports to document wind farm collector system test results.	New Green New & Emerging	Υ	New Green Task
		Conduct engineering site audits to collect structural, electrical, and related	d		
		site information for use in the design of residential or commercial solar			
17-2199.11	Solar Energy Systems Engineers	power systems.	New Green New & Emerging	Υ	New Green Task
		Create checklists for review or inspection of completed solar installation			
17-2199.11	Solar Energy Systems Engineers	projects.	New Green New & Emerging	Y	New Green Task
		Create electrical single-line diagrams, panel schedules, or connection			
		diagrams for solar electric systems using computer-aided design (CAD)			
17-2199.11	Solar Energy Systems Engineers	software.	New Green New & Emerging	Y	New Green Task
		Create plans for solar energy system development, monitoring, and			
17-2199.11	Solar Energy Systems Engineers	evaluation activities.	New Green New & Emerging	Y	New Green Task
		Design or coordinate design of photovoltaic (PV) or solar thermal			
		systems, including system components, for residential and commercial			
17-2199.11	Solar Energy Systems Engineers	buildings.	New Green New & Emerging	Υ	New Green Task
		Design or develop vacuum tube collector systems for solar applications.			
17-2199.11	Solar Energy Systems Engineers		New Green New & Emerging	Υ	New Green Task

17-2199.11 Solar 17-2199.11 Solar 17-2199.11 Solar	ar Energy Systems Engineers ar Energy Systems Engineers ar Energy Systems Engineers ar Energy Systems Engineers	Task  Develop design specifications and functional requirements for residential, commercial, or industrial solar energy systems or components.  Develop standard operation procedures and quality or safety standards for solar installation work.  Perform computer simulation of solar photovoltaic (PV) generation system performance or energy production to optimize efficiency.  Perform thermal, stress, or cost reduction analyses for solar systems.  Provide technical direction or support to installation teams during installation, start-up, testing, system commissioning, or performance	New Green New & Emerging  New Green New & Emerging  New Green New & Emerging  New Green New & Emerging	Y Y Y Y	New Green Task  New Green Task  New Green Task  New Green Task
17-2199.11 Solar 17-2199.11 Solar 17-2199.11 Solar	ar Energy Systems Engineers ar Energy Systems Engineers ar Energy Systems Engineers ar Energy Systems Engineers	commercial, or industrial solar energy systems or components.  Develop standard operation procedures and quality or safety standards for solar installation work.  Perform computer simulation of solar photovoltaic (PV) generation system performance or energy production to optimize efficiency.  Perform thermal, stress, or cost reduction analyses for solar systems.  Provide technical direction or support to installation teams during	New Green New & Emerging  New Green New & Emerging	Y	New Green Task  New Green Task
17-2199.11 Solar 17-2199.11 Solar 17-2199.11 Solar	ar Energy Systems Engineers ar Energy Systems Engineers ar Energy Systems Engineers ar Energy Systems Engineers	Develop standard operation procedures and quality or safety standards for solar installation work.  Perform computer simulation of solar photovoltaic (PV) generation system performance or energy production to optimize efficiency.  Perform thermal, stress, or cost reduction analyses for solar systems.  Provide technical direction or support to installation teams during	New Green New & Emerging  New Green New & Emerging	Y	New Green Task  New Green Task
17-2199.11 Solar 17-2199.11 Solar 17-2199.11 Solar	ar Energy Systems Engineers ar Energy Systems Engineers ar Energy Systems Engineers	solar installation work.  Perform computer simulation of solar photovoltaic (PV) generation system performance or energy production to optimize efficiency.  Perform thermal, stress, or cost reduction analyses for solar systems.  Provide technical direction or support to installation teams during	New Green New & Emerging  New Green New & Emerging	Y	New Green Task  New Green Task
17-2199.11 Solar 17-2199.11 Solar	ar Energy Systems Engineers ar Energy Systems Engineers ar Energy Systems Engineers	solar installation work.  Perform computer simulation of solar photovoltaic (PV) generation system performance or energy production to optimize efficiency.  Perform thermal, stress, or cost reduction analyses for solar systems.  Provide technical direction or support to installation teams during	New Green New & Emerging  New Green New & Emerging	Y	New Green Task
17-2199.11 Solar 17-2199.11 Solar	ar Energy Systems Engineers ar Energy Systems Engineers	Perform computer simulation of solar photovoltaic (PV) generation system performance or energy production to optimize efficiency.  Perform thermal, stress, or cost reduction analyses for solar systems.  Provide technical direction or support to installation teams during	New Green New & Emerging	Y	New Green Task
17-2199.11 Solar	ar Energy Systems Engineers ar Energy Systems Engineers	system performance or energy production to optimize efficiency.  Perform thermal, stress, or cost reduction analyses for solar systems.  Provide technical direction or support to installation teams during			
17-2199.11 Solar	ar Energy Systems Engineers	Perform thermal, stress, or cost reduction analyses for solar systems.  Provide technical direction or support to installation teams during			
	ar Energy Systems Engineers	Provide technical direction or support to installation teams during	New Green New & Emerging	Y	New Green Task
	3. 7		New Green New & Emerging	Y	New Green Task
17-2199.11 Solar					TON STOOM TOOK
17-2199.11 Solar		installation, start-up, testing, system commissioning, or performance			
17-2199.11 Solar	ar Energy Systems Engineers	, 6, 6, r			
		monitoring.	New Green New & Emerging	Υ	New Green Task
		Review specifications and recommend engineering or manufacturing			
17-2199.11 Sola	ar Energy Systems Engineers	changes to achieve solar design objectives.	New Green New & Emerging	Υ	New Green Task
		Test or evaluate photovoltaic (PV) cells or modules.			
17-2199.11 Sola	ar Energy Systems Engineers		New Green New & Emerging	Υ	New Green Task
		Assemble electrical systems or prototypes, using hand tools or measuring			
17-3023.03 Elect	ctrical Engineering Technicians	instruments.	Green Enhanced Skills	N	Non-Green Task
		Build, calibrate, maintain, troubleshoot, or repair electrical instruments or			
17-3023.03 Elect	ctrical Engineering Technicians	testing equipment.	Green Enhanced Skills	N	Non-Green Task
		Collaborate with electrical engineers or other personnel to identify, define			
17-3023.03 Elect	ctrical Engineering Technicians	or solve developmental problems.	Green Enhanced Skills	N	Non-Green Task
		Evaluate engineering proposals, shop drawings, or design comments for			
		sound electrical engineering practice or conformance with established			
17-3023.03 Elect	ctrical Engineering Technicians	safety or design criteria.	Green Enhanced Skills	N	Non-Green Task
		Identify solutions to on site technical design problems involving electrical			
17-3023.03 Elect	ctrical Engineering Technicians	systems equipment.	Green Enhanced Skills	N	Non-Green Task
		Inspect electrical project work for quality control and assurance.			
17-3023.03 Elect	ctrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Install or maintain electrical control systems or solid state equipment.			
17-3023.03 Elect	ctrical Engineering Technicians	•	Green Enhanced Skills	N	Non-Green Task
		Interpret test information to resolve design-related problems.			
17-3023.03 Elec	ctrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Modify electrical prototypes, parts, assemblies, or systems to correct		1	
17-3023.03 Elec	ctrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Perform supervisory duties, such as recommending work assignments,		1.	
		approving leaves, or completing performance evaluations.			
17-3023.03 Elect	ctrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Plan method or sequence of operations for developing or testing			
17-3023.03	Electrical Engineering Technicians	experimental electronic or electrical equipment.	Green Enhanced Skills	N	Non-Green Task
		Plan, schedule, or monitor work of project support personnel.			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Prepare electrical project cost or work-time estimates.			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Prepare, review, or coordinate ongoing modifications to contract			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Provide technical assistance in resolving electrical engineering problems			
17-3023.03	Electrical Engineering Technicians	encountered before, during, or after construction.	Green Enhanced Skills	N	Non-Green Task
		Review existing electrical engineering criteria to identify necessary			
17-3023.03	Electrical Engineering Technicians	revisions, deletions, or amendments to outdated material.	Green Enhanced Skills	N	Non-Green Task
		Set up or operate test equipment to evaluate performance of			
		developmental parts, assemblies, or systems under simulated operating			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Write engineering specifications to clarify design details or functional			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Write procedures for the commissioning of electrical installations.			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Assemble or test solar photovoltaic products, such as inverters or energy			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	Y	New Green Task
		Assess electrical components for consumer electronics applications, such			
		as fuel cells for consumer electronic devices, power saving devices for			
		computers or televisions, or energy efficient power chargers.			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	Y	New Green Task
		Build or test electrical components of electric-drive vehicles or prototype			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	Y	New Green Task
15 2022 02		Create or modify electrical components to be used in renewable energy			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	Y	New Green Task
		Participate in the development or testing of electrical aspects of new green	1		
		technologies, such as lighting, optical data storage devices, or energy			
17-3023.03	Electrical Engineering Technicians		Green Enhanced Skills	Y	New Green Task
45 2024 22		Align, fit, or assemble component parts, using hand or power tools,			
	Electro-Mechanical Technicians	fixtures, templates, or microscopes.	Green Enhanced Skills	N	Non-Green Task
	Electro-Mechanical Technicians	Develop, test, or program new robots.	Green Enhanced Skills	N	Non-Green Task
1/-3024.00	Electro-Mechanical Technicians	Inspect parts for surface defects.	Green Enhanced Skills	N	Non-Green Task
17 2024 00	Electric Mechanic 177 1 1 1	Install electrical or electronic parts and hardware in housings or	One on Early and A Chill		New Owner T
1/-3024.00	Electro-Mechanical Technicians	assemblies, using soldering equipment and hand tools.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Operate metalworking machines to fabricate housings, jigs, fittings, or			V1
17-3024.00	Electro-Mechanical Technicians	fixtures.	Green Enhanced Skills	N	Non-Green Task
17-3024.00	Electro-Mechanical Technicians	Prepare written documentation of electromechanical test results.	Green Enhanced Skills	N	Non-Green Task
		Read blueprints, schematics, diagrams, or technical orders to determine			
17-3024.00	Electro-Mechanical Technicians	methods and sequences of assembly.	Green Enhanced Skills	N	Non-Green Task
		Repair, rework, or calibrate hydraulic or pneumatic assemblies or system	ns		
17-3024.00	Electro-Mechanical Technicians	to meet operational specifications or tolerances.	Green Enhanced Skills	N	Non-Green Task
		Test performance of electromechanical assemblies, using test instrument	s		
17-3024.00	Electro-Mechanical Technicians	such as oscilloscopes, electronic voltmeters, or bridges.	Green Enhanced Skills	N	Non-Green Task
17-3024.00	Electro-Mechanical Technicians	Train others to install, use, or maintain robots.	Green Enhanced Skills	N	Non-Green Task
		Verify part dimensions or clearances to ensure conformance to			
17-3024.00	Electro-Mechanical Technicians	specifications, using precision measuring instruments.	Green Enhanced Skills	N	Non-Green Task
		Operate, test, or maintain robotic equipment used for green production			
1		applications, such as waste-to-energy conversion systems, minimization			
1		of material waste, or replacement of human operators in dangerous work			
17-3024.00	Electro-Mechanical Technicians	environments.	Green Enhanced Skills	Y	New Green Task
		Align, fit, or assemble component parts using hand tools, power tools,			
17-3024.01	Robotics Technicians	fixtures, templates, or microscopes.	Existing Green New & Emerging	N	Non-Green Task
		Assist engineers in the design, configuration, or application of robotic			
17-3024.01	Robotics Technicians	systems.	Existing Green New & Emerging	N	Non-Green Task
17-3024.01	Robotics Technicians	Build or assemble robotic devices or systems.	Existing Green New & Emerging	N	Non-Green Task
17-3024.01	Robotics Technicians	Develop three-dimensional simulations of automation systems.	Existing Green New & Emerging	N	Non-Green Task
17-3024.01	Robotics Technicians	Document robotics test procedures and results.	Existing Green New & Emerging	N	Non-Green Task
		Fabricate housings, jigs, fittings, or fixtures, using metalworking			
17-3024.01	Robotics Technicians	machines.	Existing Green New & Emerging	N	Non-Green Task
17-3024.01	Robotics Technicians	Install new robotic systems in stationary positions or on tracks.	Existing Green New & Emerging	N	Non-Green Task
		Install, program, or repair programmable controllers, robot controllers,			
17-3024.01	Robotics Technicians	end-of-arm tools, or conveyors.	Existing Green New & Emerging	N	Non-Green Task
		Maintain inventories of robotic production supplies, such as sensors or			
17-3024.01	Robotics Technicians	cables.	Existing Green New & Emerging	N	Non-Green Task
		Maintain service records of robotic equipment or automated production			
17-3024.01	Robotics Technicians	systems.	Existing Green New & Emerging	N	Non-Green Task
		Make repairs to robots or peripheral equipment, such as replacement of			
		defective circuit boards, sensors, controllers, encoders, or servomotors.			
17-3024.01	Robotics Technicians		Existing Green New & Emerging	N	Non-Green Task
		Perform preventive or corrective maintenance on robotic systems or	3 3 3		
17-3024.01	Robotics Technicians	components.	Existing Green New & Emerging	N	Non-Green Task
17-3024.01	Robotics Technicians	Program complex robotic systems, such as vision systems.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Test performance of robotic assemblies, using instruments such as			
17-3024.01	Robotics Technicians	oscilloscopes, electronic voltmeters, or bridges.	Existing Green New & Emerging	N	Non-Green Task
		Train customers or other personnel to install, use, or maintain robots.			
17-3024.01	Robotics Technicians		Existing Green New & Emerging	N	Non-Green Task
		Train robots, using artificial intelligence software or interactive training			
		techniques, to perform simple or complex tasks, such as designing and			
		carrying out a series of iterative tests of chemical samples.			
17-3024.01	Robotics Technicians		Existing Green New & Emerging	N	Non-Green Task
		Troubleshoot robotic systems, using knowledge of microprocessors,			
		programmable controllers, electronics, circuit analysis, mechanics, sensor			
15 202101		or feedback systems, hydraulics, or pneumatics.			
17-3024.01	Robotics Technicians		Existing Green New & Emerging	N	Non-Green Task
		Evaluate the efficiency and reliability of industrial robotic systems,			
17 2024 01	D 1 T 1	reprogramming or calibrating to achieve maximum quantity and quality.			
17-3024.01	Robotics Technicians		Existing Green New & Emerging	Y	New Green Task
17 2024 01	Dobatica Tashuisiana	Operate robots to perform customized tasks, such as environmental cleanup or explosive detection operations.	Frieting Cooper Nov. 9 Francisco	V	Now Cross Tools
17-3024.01	Robotics Technicians	Arrange for the disposal of lead, asbestos, or other hazardous materials.	Existing Green New & Emerging	Y	New Green Task
17 3025 00	Environmental Engineering Technicians	Arrange for the disposar of lead, aspestos, of other nazardous materials.	Green Enhanced Skills	Y	Existing Green Task
17-3023.00	Environmental Engineering	Assist in the cleanup of hazardous material spills.	Green Enhanced Skills	1	Existing Green Task
17-3025 00	Technicians	Assist in the cicaliup of nazardous material spins.	Green Enhanced Skills	Y	Existing Green Task
17-3023.00	Environmental Engineering	Collect and analyze pollution samples, such as air or ground water.	Green Enhanced Skins		Laisting Oreen Task
17-3025.00	Technicians Technicians	Concet and analyze pondion samples, such as an or ground water.	Green Enhanced Skills	Y	Existing Green Task
1, 0020.00	Environmental Engineering	Develop work plans, including writing specifications or establishing	Green Emanesa Grane		Exicting Groom ruck
17-3025.00	Technicians	material, manpower, or facilities needs.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Engineering	Improve chemical processes to reduce toxic emissions.			3
17-3025.00	Technicians		Green Enhanced Skills	Y	Existing Green Task
	Environmental Engineering	Inspect facilities to monitor compliance with regulations governing			
17-3025.00	Technicians	substances such as asbestos, lead, or wastewater.	Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Maintain process parameters and evaluate process anomalies.			
17-3025.00	Technicians		Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Maintain project logbook records or computer program files.			
17-3025.00	Technicians		Green Enhanced Skills	Y	Existing Green Task
	Environmental Engineering	Obtain product information, identify vendors or suppliers, or order			
17-3025.00	Technicians	materials or equipment to maintain inventory.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Engineering	Oversee support staff.			
17-3025.00	Technicians		Green Enhanced Skills	Υ	Existing Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Environmental Engineering	Perform environmental quality work in field or office settings.			
17-3025.00	Technicians		Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Perform statistical analysis and correction of air or water pollution data			
17-3025.00	Technicians	submitted by industry or other agencies.	Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Prepare permit applications or review compliance with environmental			
17-3025.00	Technicians	permits.	Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Produce environmental assessment reports, tabulating data and preparing			
17-3025.00	Technicians	charts, graphs, or sketches.	Green Enhanced Skills	Υ	Existing Green Task
		Provide technical engineering support in the planning of projects, such as			
	Environmental Engineering	wastewater treatment plants, to ensure compliance with environmental			
17-3025.00	Technicians	regulations and policies.	Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Receive, set up, test, or decontaminate equipment.			
17-3025.00	Technicians		Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Record laboratory or field data, including numerical data, test results,			
17-3025.00	Technicians	photographs, or summaries of visual observations.	Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Review technical documents to ensure completeness and conformance to			
17-3025.00	Technicians	requirements.	Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Review work plans to schedule activities.			
17-3025.00	Technicians		Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Work with customers to assess the environmental impact of proposed			
17-3025.00	Technicians	construction or to develop pollution prevention programs.	Green Enhanced Skills	Υ	Existing Green Task
	Environmental Engineering	Assess the ability of environments to naturally remove or reduce			
17-3025.00	Technicians	conventional or emerging contaminants from air, water, or soil.	Green Enhanced Skills	Υ	New Green Task
	Environmental Engineering	Create models to demonstrate or predict the process by which pollutants			
17-3025.00	Technicians	move through or impact an environment.	Green Enhanced Skills	Υ	New Green Task
	Environmental Engineering	Decontaminate or test field equipment used to clean or test pollutants			
17-3025.00	Technicians	from soil, air, or water.	Green Enhanced Skills	Υ	New Green Task
	Environmental Engineering	Evaluate and select technologies to clean up polluted sites, restore			
17-3025.00	Technicians	polluted air, water, or soil, or rehabilitate degraded ecosystems.	Green Enhanced Skills	Υ	New Green Task
	Environmental Engineering	Model biological, chemical, or physical treatment processes to remove or			
17-3025.00	Technicians	degrade pollutants.	Green Enhanced Skills	Υ	New Green Task
	Environmental Engineering	Prepare and package environmental samples for shipping or testing.			
17-3025.00	Technicians		Green Enhanced Skills	Υ	New Green Task
		Aid in planning work assignments in accordance with worker			
		performance, machine capacity, production schedules, or anticipated			
17-3026.00	Industrial Engineering Technicians	delays.	Green Enhanced Skills	N	Non-Green Task
	_	Apply statistical quality control procedures to production test data.			
17-3026.00	Industrial Engineering Technicians		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Compile and evaluate statistical data to determine and maintain quality	V.		
17-3026.00	Industrial Engineering Technicians	and reliability of products.	Green Enhanced Skills	N	Non-Green Task
		Design new equipment or materials or recommend revision to methods of			
		operation, material handling, equipment layout, or other changes to			
17-3026.00	Industrial Engineering Technicians	increase production or improve standards.	Green Enhanced Skills	N	Non-Green Task
		Evaluate data and write reports to validate or indicate deviations from			
17-3026.00	Industrial Engineering Technicians	existing standards.	Green Enhanced Skills	N	Non-Green Task
		Interpret engineering drawings, schematic diagrams, or formulas for			
17-3026.00	Industrial Engineering Technicians	management or engineering staff.	Green Enhanced Skills	N	Non-Green Task
		Prepare charts, graphs, or diagrams to illustrate workflow, routing, floor			
17-3026.00	Industrial Engineering Technicians	layouts, material handling, or machine utilization.	Green Enhanced Skills	N	Non-Green Task
		Read worker logs, product processing sheets, or specification sheets to			
		verify that records adhere to quality assurance specifications.			
17-3026.00	Industrial Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Recommend modifications to existing quality or production standards to			
		achieve optimum quality within limits of equipment capability.			
17-3026.00	Industrial Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Study time, motion, methods, or speed involved in maintenance,			
		production, or other operations to establish standard production rate or			
17-3026.00	Industrial Engineering Technicians	improve efficiency.	Green Enhanced Skills	N	Non-Green Task
		Test selected products at specified stages in the production process for			
		performance characteristics or adherence to specifications.			
17-3026.00	Industrial Engineering Technicians		Green Enhanced Skills	N	Non-Green Task
		Verify that equipment is being operated and maintained according to			
17-3026.00	Industrial Engineering Technicians	quality assurance standards by observing worker performance.	Green Enhanced Skills	N	Non-Green Task
		Evaluate industrial operations for compliance with permits or regulations			
		related to the generation, storage, treatment, transportation, or disposal of			
17-3026.00	Industrial Engineering Technicians	hazardous materials or waste.	Green Enhanced Skills	Υ	New Green Task
		Initiate or participate in emergency response procedures to contain,			
17-3026.00	Industrial Engineering Technicians	secure, or clean spills of hazardous materials.	Green Enhanced Skills	Y	New Green Task
		Monitor environmental management systems for compliance with			
17-3026.00	Industrial Engineering Technicians	environmental policies, programs, or regulations.	Green Enhanced Skills	Y	New Green Task
		Operate industrial hygiene equipment in manufacturing environments to			
		reduce exposure to environmental contaminants.			
17-3026 00	Industrial Engineering Technicians		Green Enhanced Skills	Y	New Green Task
11 3020.00	made and the meeting recinicians		CICCII EIIIAIICCU ONIIIS	1	THOW CICCII TASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Automotive Engineering	Analyze test data for automotive systems, subsystems, or component			
17-3027.01	Technicians	parts.	Existing Green New & Emerging	N	Non-Green Task
	Automotive Engineering	Build instrumentation or laboratory test equipment for special purposes.			
17-3027.01	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Automotive Engineering	Document test results, using cameras, spreadsheets, documents, or other			
17-3027.01	Technicians	tools.	Existing Green New & Emerging	N	Non-Green Task
15 2025 01	Automotive Engineering	Fabricate new or modify existing prototype components or fixtures.			
17-3027.01	Technicians		Existing Green New & Emerging	N	Non-Green Task
15 2025 01	Automotive Engineering	Inspect or test parts to determine nature or cause of defects or			
17-3027.01	Technicians	malfunctions.	Existing Green New & Emerging	N	Non-Green Task
17 2027 01	Automotive Engineering	Install equipment, such as instrumentation, test equipment, engines, or			
17-3027.01	Technicians	aftermarket products, to ensure proper interfaces.	Existing Green New & Emerging	N	Non-Green Task
		Maintain test equipment in operational condition by performing routine maintenance or making minor repairs or adjustments as needed.			
17 2027 01	Automotive Engineering	maintenance or making minor repairs or adjustments as needed.	F		
17-3027.01	Technicians	Maritan and the state of the st	Existing Green New & Emerging	N	Non-Green Task
17 2027 01	Automotive Engineering Technicians	Monitor computer-controlled test equipment, according to written or verbal instructions.	Frieties Oses New 9 Francisco		New Owen Teels
17-3027.01		Order new test equipment, supplies, or replacement parts.	Existing Green New & Emerging	N	Non-Green Task
17 2027 01	Automotive Engineering Technicians	Order new test equipment, supplies, or replacement parts.	Eviating Cross Now & Emerging	N	Non-Green Task
17-3027.01	Automotive Engineering	Read and interpret blueprints, schematics, work specifications, drawings,	Existing Green New & Emerging	IN	Non-Green rask
17 2027 01	Technicians	or charts.	Existing Green New & Emerging	N	Non-Green Task
17-3027.01	Automotive Engineering	Recommend product or component design improvements, based on test	Existing Green New & Emerging	IN	Non-Green rask
17-3027 01	Technicians	data or observations.	Existing Green New & Emerging	N	Non-Green Task
17-3027.01	recimerans	Recommend tests or testing conditions in accordance with designs,	Existing Green New & Emerging	IN	Non-Oreen rask
	Automotive Engineering	customer requirements, or industry standards to ensure test validity.			
17-3027 01	Technicians	customer requirements, or industry standards to ensure test variety.	Existing Green New & Emerging	N	Non-Green Task
17 3027.01	Technicians	Set up mechanical, hydraulic, or electric test equipment in accordance	Existing Green New & Emerging		Non Oreen rask
	Automotive Engineering	with engineering specifications, standards, or test procedures.			
17-3027.01	Technicians	,	Existing Green New & Emerging	N	Non-Green Task
-, -, -, -, -, -, -, -, -, -, -, -, -, -	Automotive Engineering	Perform or execute manual or automated tests of automotive system or	zweinig Green Hen di Zinerginig		Ton Groom rack
17-3027.01	Technicians	component performance, efficiency, or durability.	Existing Green New & Emerging	Y	Existing Green Task
		Analyze performance of vehicles or components that have been	g i i i i i i i i i i i i i i i i i i i		3
	Automotive Engineering	redesigned to increase fuel efficiency, such as camless or dual-clutch			
17-3027.01	Technicians	engines or alternative types of air-conditioning systems.	Existing Green New & Emerging	Y	New Green Task
	Automotive Engineering	Improve fuel efficiency by testing vehicles or components that use lighter			
17-3027.01	Technicians	materials, such as aluminum, magnesium alloy, or plastic.	Existing Green New & Emerging	Y	New Green Task

Automotive Engineering 17-3027.01 Technicians Automotive Engineering 17-3029.02 Technologists Electrical Engineering 17-3029.02 Technologists Electrical Engineering 17-3029.02 Technologists Electrical Engineering 17-3029.02 Technologists Electrical Engineering Electrical Engineering 17-3029.02 Technologists Electrical Engineering Electrical E	New Green Task  New Green Task  New Green Task  Non-Green Task
Automotive Engineering such as telemetrics, intelligent transportation systems, artificial intelligence, or automatic control.  Test performance of vehicles that use alternative fuels, such as alcohol blends, natural gas, liquefied petroleum gas, biodiesel, nanodiesel, or alternative power methods, such as solar energy or hydrogen fuel cells.  Technicians  Technicians  Assist engineers or scientists in conducting electrical engineering research.  Compile and maintain records documenting engineering schematics, installed equipment, installation or operational problems, resources used, installed equipment, installation in residential, electrical Engineering repairs, or corrective action performed.  Electrical Engineering  Electrical Engineering  Electrical Engineering  Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.  Electrical Engineering  Technologists  Electrical Engineering  Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.  Electrical Engineering  Technologists  Estimate project cost, resource requirements, or time estimates, based on the systems, or electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Electrical Engineering  Technologists  Estimate project cost, resource requirements, or time estimates, based on the systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Electrical Engineering  Technologists  Electrical Engineering  Participate in training or continuing education activities to stay abreast of engineering or industry advances.  Existing Green New & Emerging  N	New Green Task
Technicians   Intelligence, or automatic control.   Existing Green New & Emerging   Y	New Green Task
Test performance of vehicles that use alternative fuels, such as alcohol blends, natural gas, liquefied petroleum gas, biodiesel, nanodiesel, or alternative power methods, such as solar energy or hydrogen fuel cells.  Electrical Engineering 17-3029.02 Technologists  Electrical Engineering Electrical Engineering Teshanologists  Electrical Engineering Diagnose, test, or analyze the performance of electrical components, assemblies, or systems. Electrical Engineering Tr-3029.02 Technologists Electrical Engineering Electrical Engineering Electrical Engineering Trechnologists Electrical Engineering Electrical Engineering Trechnologists Electrical Engineering Existing Green New & Emerging N	New Green Task
Automotive Engineering 17-3027.01 Technicians Electrical Engineering 17-3029.02 Technologists  Electrical Engineering  Electri	
Automotive Engineering 17-3027.01 Technicians Electrical Engineering 17-3029.02 Technologists  Compile and maintain records documenting engineering schematics, installed equipment, installation or operational problems, resources used, repairs, or corrective action performed.  Electrical Engineering 27-3029.02 Technologists  Electrical Engineering 28-xisting Green New & Emerging 39-xisting Green New & Emerging 30-xisting Green New & Emerging 3	
17-3029.02 Technologists  Electrical Engineering  Design or modify engineering schematics for electrical transmission and distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD) 17-3029.02 Technologists  Electrical Engineering Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.  Electrical Engineering Electrical Engineering Technologists  Existing Green New & Emerging N	
17-3029.02   Technologists   Electrical Engineering   Technologists   Existing Green New & Emerging   N      17-3029.02   Technologists   Design or modify engineering schematics for electrical transmission and distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD)   Electrical Engineering   Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.   Existing Green New & Emerging   N      17-3029.02   Technologists   Estimate project cost, resource requirements, or time estimates, based on design specifications.   Existing Green New & Emerging   N      17-3029.02   Technologists   Electrical Engineering   Estimate project cost, resource requirements, or time estimates, based on design specifications.   Existing Green New & Emerging   N      17-3029.02   Technologists   Electrical Engineering   Systems, or electrical equipment, including control circuits, variable speed   Existing Green New & Emerging   N      17-3029.02   Technologists   Participate in training or continuing education activities to stay abreast of engineering or industry advances.   Existing Green New & Emerging   N	
Electrical Engineering 17-3029.02 Technologists  Compile and maintain records documenting engineering schematics, installed equipment, installation or operational problems, resources used, repairs, or corrective action performed.  Design or modify engineering schematics for electrical transmission and distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD) software.  Electrical Engineering 17-3029.02 Technologists  Electrical Engineering Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.  Electrical Engineering Tresource requirements, or time estimates, based on design specifications.  Electrical Engineering Tresource requirements, or time estimates, based on design specifications.  Electrical Engineering Tresource requirements, industrial automation systems, or electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Existing Green New & Emerging N	Non-Green Task
Compile and maintain records documenting engineering schematics, installed equipment, installation or operational problems, resources used, repairs, or corrective action performed.  Design or modify engineering schematics for electrical transmission and distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD)  17-3029.02 Technologists  Electrical Engineering  Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.  Electrical Engineering  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Electrical Engineering  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Existing Green New & Emerging  N	Non-Green Task
Electrical Engineering 17-3029.02 Technologists  Design or modify engineering schematics for electrical transmission and distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD) software.  Electrical Engineering 17-3029.02 Technologists  Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.  Electrical Engineering 17-3029.02 Technologists  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Electrical Engineering 17-3029.02 Technologists  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Electrical Engineering 17-3029.02 Technologists  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Enstall or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Existing Green New & Emerging N  Existing Green New & Emerging N  Existing Green New & Emerging N	
Electrical Engineering 17-3029.02 Technologists  Design or modify engineering schematics for electrical transmission and distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD) software.  Electrical Engineering 17-3029.02 Technologists  Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.  Electrical Engineering 17-3029.02 Technologists  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Electrical Engineering 17-3029.02 Technologists  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Electrical Engineering 17-3029.02 Technologists  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Enstall or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Existing Green New & Emerging N  Existing Green New & Emerging N  Existing Green New & Emerging N	
17-3029.02 Technologists repairs, or corrective action performed. Existing Green New & Emerging N  Design or modify engineering schematics for electrical transmission and distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD) 17-3029.02 Technologists software. Existing Green New & Emerging N  Electrical Engineering Diagnose, test, or analyze the performance of electrical components, assemblies, or systems. Existing Green New & Emerging N  Electrical Engineering Estimate project cost, resource requirements, or time estimates, based on design specifications. Existing Green New & Emerging N  Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers. Existing Green New & Emerging N  Electrical Engineering Participate in training or continuing education activities to stay abreast of engineering or industry advances. Existing Green New & Emerging N	
Design or modify engineering schematics for electrical transmission and distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD) software.  Electrical Engineering  Electrical Engineering  Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.  Electrical Engineering  Electrical Engineering  Electrical Engineering  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Electrical Engineering  Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Electrical Engineering  Participate in training or continuing education activities to stay abreast of engineering or industry advances.  Existing Green New & Emerging  N	Non-Green Task
distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD) software.  Electrical Engineering 17-3029.02 Technologists  Electrical Engineering 17-3029.02 Technologists  Electrical Engineering 17-3029.02 Technologists  Electrical Engineering 17-3029.02 Technologists  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Estimate project cost, resource requirements, or time estimates, based on design specifications.  Electrical Engineering 17-3029.02 Technologists  Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Existing Green New & Emerging N	
Technologists software.  Electrical Engineering Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.  Electrical Engineering Estimate project cost, resource requirements, or time estimates, based on design specifications.  Electrical Engineering Estimate project cost, resource requirements, or time estimates, based on design specifications.  Electrical Engineering Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Electrical Engineering Participate in training or continuing education activities to stay abreast of engineering or industry advances.  Existing Green New & Emerging N	
17-3029.02 Technologists software. Existing Green New & Emerging N  Electrical Engineering Diagnose, test, or analyze the performance of electrical components, assemblies, or systems. Existing Green New & Emerging N  Electrical Engineering Estimate project cost, resource requirements, or time estimates, based on design specifications. Existing Green New & Emerging N  Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers. Existing Green New & Emerging N  Electrical Engineering Participate in training or continuing education activities to stay abreast of engineering or industry advances. Existing Green New & Emerging N	
Electrical Engineering 17-3029.02 Technologists Electrical Engineering Diagnose, test, or analyze the performance of electrical components, assemblies, or systems. Electrical Engineering Estimate project cost, resource requirements, or time estimates, based on design specifications. Existing Green New & Emerging N  Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers. Electrical Engineering Participate in training or continuing education activities to stay abreast of engineering or industry advances. Existing Green New & Emerging N  Existing Green New & Emerging N  Existing Green New & Emerging	Non-Green Task
17-3029.02 Technologists assemblies, or systems. Existing Green New & Emerging N  Electrical Engineering Estimate project cost, resource requirements, or time estimates, based on design specifications. Existing Green New & Emerging N  Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers. Existing Green New & Emerging N  Electrical Engineering Participate in training or continuing education activities to stay abreast of engineering or industry advances. Existing Green New & Emerging N	
Electrical Engineering Technologists Estimate project cost, resource requirements, or time estimates, based on design specifications.  Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Electrical Engineering Technologists Participate in training or continuing education activities to stay abreast of engineering or industry advances.  Existing Green New & Emerging N  Existing Green New & Emerging N	Non-Green Task
17-3029.02 Technologists  design specifications.  Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Electrical Engineering Technologists  Existing Green New & Emerging N  Existing Green New & Emerging N  Participate in training or continuing education activities to stay abreast of engineering or industry advances.  Existing Green New & Emerging N  Existing Green New & Emerging N	
Install or maintain electrical control systems, industrial automation  Electrical Engineering systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.  Electrical Engineering participate in training or continuing education activities to stay abreast of engineering or industry advances.  Existing Green New & Emerging N  Existing Green New & Emerging N	Non-Green Task
Electrical Engineering systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers. Existing Green New & Emerging N  Electrical Engineering Participate in training or continuing education activities to stay abreast of engineering or industry advances. Existing Green New & Emerging N	
17-3029.02 Technologists drives, or programmable logic controllers. Existing Green New & Emerging N  Electrical Engineering Technologists Participate in training or continuing education activities to stay abreast of engineering or industry advances. Existing Green New & Emerging N	
Electrical Engineering Participate in training or continuing education activities to stay abreast of engineering or industry advances.  Existing Green New & Emerging N	Non-Green Task
17-3029.02 Technologists engineering or industry advances. Existing Green New & Emerging N	
	Non-Green Task
Electrical Engineering Review installation or quality assurance documentation.	
17-3029.02 Technologists Existing Green New & Emerging N	Non-Green Task
Electrical Engineering Review, develop, and prepare maintenance standards.	
17-3029.02 Technologists Existing Green New & Emerging N	Non-Green Task
Electrical Engineering Set up and operate standard or specialized testing equipment.	
17-3029.02 Technologists Existing Green New & Emerging N	Non-Green Task
Electrical Engineering Supervise the construction or testing of electrical prototypes, according to	
17-3029.02 Technologists general instructions and established standards. Existing Green New & Emerging N	Non-Green Task
Review electrical engineering plans to ensure adherence to design	
Electrical Engineering specifications and compliance with applicable environmental standards or	
17-3029.02 Technologists electrical codes and standards. Existing Green New & Emerging Y	Existing Green Task
Electrical Engineering  Assemble or test solar photovoltaic products, such as inverters or energy	
17-3029.02 Technologists management systems. Existing Green New & Emerging Y	

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Electrical Engineering	Build or test electrical components of electric-drive vehicles or prototype			
17-3029.02	Technologists	vehicles.	Existing Green New & Emerging	Υ	New Green Task
	Electrical Engineering	Conduct statistical studies to analyze or compare production costs for			
17-3029.02	Technologists	sustainable or nonsustainable designs.	Existing Green New & Emerging	Y	New Green Task
		Construct and evaluate electrical components for consumer electronics			
		applications such as fuel cells for consumer electronic devices, power			
	Electrical Engineering	saving devices for computers or televisions, and energy efficient power			
17-3029.02	Technologists	chargers.	Existing Green New & Emerging	Y	New Green Task
	Electrical Engineering	Create or modify electrical components to be used in renewable energy			
17-3029.02	Technologists	generation.	Existing Green New & Emerging	Y	New Green Task
		Participate in the development or testing of electrical aspects of new green	1		
17 2020 02	Electrical Engineering	technologies, such as lighting, optical data storage devices, or energy efficient televisions.	F : " O N O F :	.,	
17-3029.02	Technologists		Existing Green New & Emerging	Y	New Green Task
17 2020 02	Electrical Engineering	Test sustainable materials for their applicability to electrical engineering	Friedian Orana Nama 8 Francisco		Name One and Table
17-3029.02	Technologists	systems or system designs.  Analyze engineering designs of logic or digital circuitry, motor controls,	Existing Green New & Emerging	Y	New Green Task
		instrumentation, or data acquisition for implementation into new or			
	Electromechanical Engineering	existing automated, servomechanical, or other electromechanical systems			
17-3029 03	Technologists	existing automated, servomeenamear, or other electromeenamear systems.	Existing Green New & Emerging	N	Non-Green Task
17 3027.03	Electromechanical Engineering	Assist engineers to implement electromechanical designs in industrial or	Existing Green New & Emerging	14	Non-Orcen rask
17-3029.03	Technologists	other settings.	Existing Green New & Emerging	N	Non-Green Task
-, -,-,,,,,		Consult with machinists or technicians to ensure that electromechanical	zmening creem ten a zmenging		TON Groom radio
	Electromechanical Engineering	equipment or systems meet design specifications.			
17-3029.03	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Electromechanical Engineering	Establish and maintain inventory, records, or documentation systems.	3 3		
17-3029.03	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Electromechanical Engineering	Fabricate or assemble mechanical, electrical, or electronic components or			
17-3029.03	Technologists	assemblies.	Existing Green New & Emerging	N	Non-Green Task
	Electromechanical Engineering	Install or program computer hardware or machine or instrumentation			
17-3029.03	Technologists	software in microprocessor-based systems.	Existing Green New & Emerging	N	Non-Green Task
	Electromechanical Engineering	Modify, maintain, or repair electrical, electronic, or mechanical			
17-3029.03	Technologists	components, equipment, or systems to ensure proper functioning.	Existing Green New & Emerging	N	Non-Green Task
		Produce electrical, electronic, or mechanical drawings or other related			
	Electromechanical Engineering	documents or graphics necessary for electromechanical design, using			
17-3029.03	Technologists	computer-aided design (CAD) software.	Existing Green New & Emerging	N	Non-Green Task
		Select and use laboratory, operational, or diagnostic techniques or test			
	Electromechanical Engineering	equipment to assess electromechanical circuits, equipment, processes,			
17-3029.03	Technologists	systems, or subsystems.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Translate electromechanical drawings into design specifications, applying			
	Electromechanical Engineering	principles of engineering, thermal or fluid sciences, mathematics, or			
17-3029.03	Technologists	statistics.	Existing Green New & Emerging	N	Non-Green Task
		Select electromechanical equipment, materials, components, or systems to			
	Electromechanical Engineering	meet functional specifications and comply with environmental standards			
17-3029.03	Technologists	or regulations.	Existing Green New & Emerging	Y	Existing Green Task
	Electromechanical Engineering	Specify, coordinate, or conduct programs or procedures related to quality			
17-3029.03	Technologists	control, quality-assurance, or environmental impact.	Existing Green New & Emerging	Y	Existing Green Task
	Electromechanical Engineering	Conduct statistical studies to analyze or compare production costs for			
17-3029.03	Technologists	sustainable and nonsustainable designs.	Existing Green New & Emerging	Y	New Green Task
		Identify energy-conserving production or fabrication methods, such as by			
	Electromechanical Engineering	bending metal rather than cutting and welding or casting metal.			
17-3029.03	Technologists		Existing Green New & Emerging	Y	New Green Task
	Electromechanical Engineering	Test and analyze thermodynamic systems for renewable energy			
17-3029.03	Technologists	applications, such as solar or wind, to maximize energy production.	Existing Green New & Emerging	Y	New Green Task
	Electronics Engineering	Analyze or implement engineering designs for electronic devices or			
17-3029.04	Technologists	systems or microprocessor-based control applications.	Existing Green New & Emerging	N	Non-Green Task
	Electronics Engineering	Assemble circuitry for electronic systems according to engineering			
17-3029.04	Technologists	instructions, production specifications, or technical manuals.	Existing Green New & Emerging	N	Non-Green Task
.=	Electronics Engineering	Assist scientists or engineers in electronics engineering research.			
17-3029.04	Technologists		Existing Green New & Emerging	N	Non-Green Task
.=	Electronics Engineering	Educate equipment operators on the proper use of equipment.			
17-3029.04	Technologists		Existing Green New & Emerging	N	Non-Green Task
17 2020 04	Electronics Engineering	Evaluate machine or process control requirements to develop device or			
17-3029.04	Technologists	controller specifications suited to operating environments.	Existing Green New & Emerging	N	Non-Green Task
17 2020 04	Electronics Engineering	Inspect newly installed equipment to adjust or correct operating problems			New Owner Teels
17-3029.04	Technologists	Transfer for the contract of t	Existing Green New & Emerging	N	Non-Green Task
17 2020 04	Electronics Engineering	Integrate software or hardware components using computer, microprocessor, or control architecture.	Friedra Ocean New O Francisco		New Owner Teels
17-3029.04	Technologists	Modify, maintain, or repair electronics equipment or systems to ensure	Existing Green New & Emerging	N	Non-Green Task
17 2020 04	Electronics Engineering Technologists	proper functioning.	Fuinting Cooks Nov. 9 Foresting	N	Non Cross Tools
17-3029.04		Prepare or maintain design, testing, or operational records and	Existing Green New & Emerging	N	Non-Green Task
17 2020 04	Electronics Engineering Technologists	documentation.	Eviating Croon Now & Emparity	N	Non Croon Took
17-3029.04	reciniologists	Produce electronics drawings or other graphics representing industrial	Existing Green New & Emerging	N	Non-Green Task
		control, instrumentation, sensors, or analog or digital telecommunications			
	Electronics Engineering	networks, using computer-aided design (CAD) software.			
17-3020 04	Electronics Engineering Technologists	networks, asing computer and design (Crib) software.	Existing Green New & Emerging	N	Non-Green Task
17-3049.04	reciniologists		LAISHING GIEETI NEW & ETHEIGING	IN	INUIT-GIEEH TASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Electronics Engineering	Provide support to technical sales staff regarding product characteristics.			
17-3029.04	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Electronics Engineering	Replace defective components or parts, using hand tools and precision			
17-3029.04	Technologists	instruments.	Existing Green New & Emerging	N	Non-Green Task
	Electronics Engineering	Select electronics equipment, components, or systems to meet functional			
17-3029.04	Technologists	specifications.	Existing Green New & Emerging	N	Non-Green Task
		Set up and operate specialized or standard test equipment to diagnose,			
	Electronics Engineering	test, or analyze the performance of electronic components, assemblies, or			
17-3029.04	Technologists	systems.	Existing Green New & Emerging	N	Non-Green Task
	Electronics Engineering	Specify, coordinate, or conduct quality control or quality assurance			
17-3029.04	Technologists	programs or procedures.	Existing Green New & Emerging	N	Non-Green Task
	Electronics Engineering	Supervise the building or testing of prototypes of electronics circuits,			
17-3029.04	Technologists	equipment, or systems.	Existing Green New & Emerging	N	Non-Green Task
	Electronics Engineering	Supervise the installation or operation of electronic equipment or systems			
17-3029.04	Technologists		Existing Green New & Emerging	N	Non-Green Task
		Troubleshoot microprocessors or electronic instruments, equipment, or			
	Electronics Engineering	systems, using electronic test equipment such as logic analyzers.			
17-3029.04	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Electronics Engineering	Write software programs for microcontrollers or computers in machine,			
17-3029.04	Technologists	assembly, or other languages.	Existing Green New & Emerging	N	Non-Green Task
	Electronics Engineering	Assemble or analyze electronics technologies to be used in electric-drive			
17-3029.04	Technologists	vehicles.	Existing Green New & Emerging	Y	New Green Task
		Evaluate operational aspects of green consumer electronics applications,			
		such as fuel cells for consumer electronic devices, power saving devices			
	Electronics Engineering	for computers or televisions, or energy efficient power chargers.			
17-3029.04	Technologists		Existing Green New & Emerging	Y	New Green Task
		Participate in the development or testing of new green electronics			
	Electronics Engineering	technologies, such as lighting, optical data storage devices, or energy			
17-3029.04	Technologists	efficient televisions.	Existing Green New & Emerging	Y	New Green Task
	Electronics Engineering	Test solar photovoltaic products, such as inverters or energy management			
17-3029.04	Technologists	systems.	Existing Green New & Emerging	Y	New Green Task
	Industrial Engineering	Analyze data related to quality or industrial health and safety programs.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Analyze operational, production, economic, or other data, using statistical			
17-3029.05	Technologists	procedures.	Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Analyze, estimate, or report production costs.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Industrial Engineering	Compile operational data to develop cost or time estimates, schedules, or			
17-3029.05	Technologists	specifications.	Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Conduct time and motion studies to identify opportunities to improve			
17-3029.05	Technologists	worker efficiency.	Existing Green New & Emerging	N	Non-Green Task
		Create computer applications for manufacturing processes or operations,			
	Industrial Engineering	using computer-aided design (CAD) or computer-assisted manufacturing			
17-3029.05	Technologists	(CAM) tools.	Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Design plant or production facility layouts.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Develop or conduct quality control tests to ensure consistent production			
17-3029.05	Technologists	quality.	Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Develop or implement programs to address problems related to			
17-3029.05	Technologists	production, materials, safety, or quality.	Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Interpret engineering drawings, sketches, or diagrams.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Modify equipment or processes to improve resource or cost efficiency.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task
.=	Industrial Engineering	Monitor and control inventory.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Oversee or inspect production processes.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Industrial Engineering	Plan the flow of work or materials to maximize efficiency.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task
.=	Industrial Engineering	Prepare layouts of machinery or equipment, using drafting equipment or			
17-3029.05	Technologists	computer-aided design (CAD) software.	Existing Green New & Emerging	N	Non-Green Task
15 2020 05	Industrial Engineering	Prepare reports regarding inventories of raw materials or finished			
17-3029.05	Technologists	products.	Existing Green New & Emerging	N	Non-Green Task
17 2020 05	Industrial Engineering	Prepare schedules for equipment use or routine maintenance.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task
17 2020 05	Industrial Engineering	Request equipment upgrades or purchases.			
17-3029.05	Technologists		Existing Green New & Emerging	N	Non-Green Task
17 2020 05	Industrial Engineering	Supervise production workers.	Estation Ocean N. 0.5		New Owner T
17-3029.05	Technologists	Andrea material flores on months of the CC and CC and	Existing Green New & Emerging	N	Non-Green Task
17 2020 05	Industrial Engineering	Analyze material flows or supply chains to identify opportunities to	Estation Ocean N. 0.5		Name Organia T. I
17-3029.05	Technologists	improve efficiency and conserve energy.	Existing Green New & Emerging	Y	New Green Task
17 2020 05	Industrial Engineering	Conduct statistical studies to analyze or compare production costs for sustainable and nonsustainable designs.	Fuinting Coase New 9 Feet and	V	Now Cross Tools
1 /-3029.05	Technologists	sustamable and nonsustamable designs.	Existing Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code		Task	Туре	Green Task	Type of Green Task
	Industrial Engineering	Develop computerized diagnostic tools to integrate measurements in real			
17-3029.05	Technologists	time and reduce production downtime.	Existing Green New & Emerging	Y	New Green Task
		Integrate high-speed loops and advanced control algorithms with			
	Industrial Engineering	graphical system designs to improve the efficiency of production			
17-3029.05	Technologists	operations.	Existing Green New & Emerging	Y	New Green Task
	Manufacturing Engineering	Coordinate equipment purchases, installations, or transfers.			
17-3029.06	Technologists		Existing Green New & Emerging	N	Non-Green Task
		Create computer applications for manufacturing processes or operations,			
.=	Manufacturing Engineering	using computer-aided design (CAD) or computer-assisted manufacturing			
17-3029.06	Technologists	(CAM) tools.	Existing Green New & Emerging	N	Non-Green Task
17 2020 0	Manufacturing Engineering	Develop manufacturing infrastructure to integrate or deploy new			
17-3029.06	Technologists	manufacturing processes.	Existing Green New & Emerging	N	Non-Green Task
15 2020 0	Manufacturing Engineering	Develop or maintain programs associated with automated production			
17-3029.06	Technologists	equipment.	Existing Green New & Emerging	N	Non-Green Task
17 2020 0	Manufacturing Engineering	Develop production, inventory, or quality assurance programs.			
17-3029.06	Technologists		Existing Green New & Emerging	N	Non-Green Task
17 2020 00	Manufacturing Engineering	Estimate manufacturing costs.	F : :: 0 N 0 F :		
17-3029.06	Technologists		Existing Green New & Emerging	N	Non-Green Task
17 2020 00	Manufacturing Engineering	Evaluate manufacturing equipment, materials, or components.	F : :: 0 N 0 F :		
17-3029.06	Technologists	T1 .:C	Existing Green New & Emerging	N	Non-Green Task
17 2020 00	Manufacturing Engineering	Identify opportunities for improvements in quality, cost, or efficiency of	Frieties Ores New 9 Francis		New Owen Teels
17-3029.00	Technologists	automation equipment.	Existing Green New & Emerging	N	Non-Green Task
17 2020 00	Manufacturing Engineering Technologists	Identify or implement new or sustainable manufacturing technologies, processes, or equipment.	Frieties Ores New 9 Francis		New Owen Teels
17-3029.00		Install manufacturing engineering equipment.	Existing Green New & Emerging	N	Non-Green Task
17 2020 06	Manufacturing Engineering Technologists	mstan manufacturing engineering equipment.	Eviating Cross Now & Emerging	N	Non-Green Task
17-3029.00	Manufacturing Engineering	Monitor manufacturing processes to identify ways to reduce losses,	Existing Green New & Emerging	IN	Non-Green Task
17 3020 06	Technologists	decrease time requirements, or improve quality.	Existing Green New & Emerging	N	Non-Green Task
17-3029.00	Manufacturing Engineering	Operate complex processing equipment.	Existing Green New & Emerging	IN	Non-Green rask
17 3020 06	Technologists	Operate complex processing equipment.	Existing Cross Now & Emerging	N	Non-Green Task
17-3029.00	Manufacturing Engineering	Oversee equipment start-up, characterization, qualification, or release.	Existing Green New & Emerging	IN	Non-Green rask
17-3029 06	Technologists	Oversee equipment start-up, characterization, quantication, of felease.	Existing Green New & Emerging	N	Non-Green Task
17 3027.00	Manufacturing Engineering	Perform routine equipment maintenance.	Existing Green New & Emerging	IN	THOIR GICCII FASK
17-3029 06	Technologists	1 orionn routine equipment maintenance.	Existing Green New & Emerging	N	Non-Green Task
17 3027.00	Manufacturing Engineering	Plan, estimate, or schedule production work.	Existing Green New & Emerging	14	THOSE OFFICE FRANK
17-3029 06	Technologists	rain, commute, or selecture production work.	Existing Green New & Emerging	N	Non-Green Task
11-3027.00	1 comologists		Existing Green New & Linerging	IN	Non Oleen rask

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Prepare layouts, drawings, or sketches of machinery or equipment, such			
	Manufacturing Engineering	as shop tooling, scale layouts, or new equipment design, using drafting			
17-3029.06	Technologists	equipment or computer-aided design (CAD) software.	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Engineering	Recommend corrective or preventive actions to assure or improve product	t		
17-3029.06	Technologists	quality or reliability.	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Engineering	Verify weights, measurements, counts, or calculations and record results			
	Technologists	on batch records.	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Engineering	Design plant layouts or production facilities to maximize production or			
	Technologists	efficiency or minimize environmental impacts.	Existing Green New & Emerging	Y	Existing Green Task
	Manufacturing Engineering	Observe manufacturing operations, ensuring adherence to safety or			
	Technologists	environmental policies and practices.	Existing Green New & Emerging	Y	Existing Green Task
	Manufacturing Engineering	Train manufacturing technicians on topics such as safety, environmental			
	Technologists	protection, health, fire prevention, or quality.	Existing Green New & Emerging	Y	Existing Green Task
	Manufacturing Engineering	Select material quantities or processing methods needed to achieve			
	Technologists	efficient production.	Existing Green New & Emerging	Y	Existing Green Task
	Manufacturing Engineering	Analyze manufacturing supply chains to identify opportunities for			
	Technologists	increased efficiency in the acquisition of raw materials.	Existing Green New & Emerging	Y	New Green Task
	Manufacturing Engineering	Develop processes to recover, recycle, or reuse waste or scrap materials from manufacturing operations.	Friedra - Oraca - Nama - O Francisco		Name One and Table
17-3029.06	Technologists	<u> </u>	Existing Green New & Emerging	Y	New Green Task
		Develop sustainable manufacturing technologies to reduce greenhouse gas emissions, minimize raw material use, replace toxic materials with non-	S		
	Managarania - Enginessia	toxic materials, replace non-renewable materials with renewable			
	Manufacturing Engineering Technologists	materials, or reduce waste.	Eviating Cross Now & Emerging	Υ	New Green Task
17-3029.00	Technologists	Evaluate current or proposed manufacturing processes or practices for	Existing Green New & Emerging	Ť	New Green Task
		environmental sustainability, considering factors such as green house gas			
	Manufacturing Engineering	emissions, air pollution, water pollution, energy use, or waste creation.			
	Technologists	chinostonis, an politicon, water politicon, energy uses, or waste electronic	Existing Green New & Emerging	Y	New Green Task
	Mechanical Engineering	Analyze or estimate production costs, such as labor, equipment, or plant	Existing Green New & Emerging	'	New Green rask
	Technologists	space.	Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Assemble or disassemble complex mechanical systems.			Tron Green rack
	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Assist engineers to design, develop, test, or manufacture industrial	3		
	Technologists	machinery, consumer products, or other equipment.	Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Assist mechanical engineers in product testing through activities such as			
	Technologists	setting up instrumentation for automobile crash tests.	Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Conduct failure analyses, document results, and recommend corrective	2 0 0		
	Technologists	actions.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Mechanical Engineering	Design molds, tools, dies, jigs, or fixtures for use in manufacturing			
17-3029.07	Technologists	processes.	Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Design specialized or customized equipment, machines, or structures.			
17-3029.07	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Interpret engineering sketches, specifications, or drawings.			
17-3029.07	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Monitor, inspect, or test mechanical equipment.			
17-3029.07	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Oversee, monitor, or inspect mechanical installations or construction			
17-3029.07	Technologists	projects.	Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Perform routine maintenance on equipment, such as leak detectors, glove			
17-3029.07	Technologists	boxes, or mechanical pumps.	Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Prepare cost and materials estimates or project schedules.			
17-3029.07	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Prepare equipment inspection schedules, reliability schedules, work plans	,		
17-3029.07	Technologists	or other records.	Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Prepare layouts of machinery, tools, plants, or equipment.			
17-3029.07	Technologists		Existing Green New & Emerging	N	Non-Green Task
		Prepare specifications, designs, or sketches for machines, components, or			
	Mechanical Engineering	systems related to the generation, transmission, or use of mechanical or			
17-3029.07	Technologists	fluid energy.	Existing Green New & Emerging	N	Non-Green Task
	Mechanical Engineering	Provide technical support to other employees regarding mechanical			
17-3029.07	Technologists	design, fabrication, testing, or documentation.	Existing Green New & Emerging	N	Non-Green Task
		Test machines, components, materials, or products to determine			
	Mechanical Engineering	characteristics such as performance, strength, or response to stress.			
17-3029.07	Technologists		Existing Green New & Emerging	N	Non-Green Task
		Analyze energy requirements and distribution systems to maximize the			
	Mechanical Engineering	use of intermittent or inflexible renewable energy sources, such as wind o	1		
17-3029.07	Technologists	nuclear.	Existing Green New & Emerging	Y	New Green Task
		Assist engineers to design or develop electrochemical devices, such as			
	Mechanical Engineering	solid oxide membranes or other products for sustainable applications.			
17-3029.07	Technologists		Existing Green New & Emerging	Y	New Green Task
	Mechanical Engineering	Conduct statistical studies to analyze or compare production costs for			
17-3029.07	Technologists	sustainable and nonsustainable designs.	Existing Green New & Emerging	Y	New Green Task
		Adjust or maintain equipment, such as lasers, laser systems, microscopes,			
		oscilloscopes, pulse generators, power meters, beam analyzers, or energy			
17-3029.08	Photonics Technicians	measurement devices.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Assemble fiber optical, optoelectronic, or free-space optics components,			
17-3029.08	Photonics Technicians	subcomponents, assemblies, or subassemblies.	Existing Green New & Emerging	N	Non-Green Task
		Assemble or adjust parts or related electrical units of prototypes to prepare	€		
17-3029.08	Photonics Technicians	for testing.	Existing Green New & Emerging	N	Non-Green Task
		Assist engineers in the development of new products, fixtures, tools, or			
17-3029.08	Photonics Technicians	processes.	Existing Green New & Emerging	N	Non-Green Task
		Assist scientists or engineers in the conduct of photonic experiments.			
17-3029.08	Photonics Technicians		Existing Green New & Emerging	N	Non-Green Task
		Build prototype optomechanical devices for use in equipment such as			
	Photonics Technicians	aerial cameras, gun sights, or telescopes.	Existing Green New & Emerging	N	Non-Green Task
	Photonics Technicians	Compute or record photonic test data.	Existing Green New & Emerging	N	Non-Green Task
17-3029.08	Photonics Technicians	Design, build, or modify fixtures used to assemble parts.	Existing Green New & Emerging	N	Non-Green Task
		Document procedures, such as calibration of optical or fiber optic			
17-3029.08	Photonics Technicians	equipment.	Existing Green New & Emerging	N	Non-Green Task
		Fabricate devices, such as optoelectronic or semiconductor devices.			
	Photonics Technicians		Existing Green New & Emerging	N	Non-Green Task
17-3029.08	Photonics Technicians	Lay out cutting lines for machining, using drafting tools.	Existing Green New & Emerging	N	Non-Green Task
		Maintain clean working environments, according to clean room standards			
17-3029.08	Photonics Technicians		Existing Green New & Emerging	N	Non-Green Task
		Mix, pour, or use processing chemicals or gases according to safety			
	Photonics Technicians	standards or established operating procedures.	Existing Green New & Emerging	N	Non-Green Task
17-3029.08	Photonics Technicians	Monitor inventory levels and order supplies as necessary.	Existing Green New & Emerging	N	Non-Green Task
		Optimize photonic process parameters by making prototype or production			
17-3029.08	Photonics Technicians	devices.	Existing Green New & Emerging	N	Non-Green Task
		Perform diagnostic analyses of processing steps, using analytical or			
		metrological tools, such as microscopy, profilometry, or ellipsometry			
17-3029.08	Photonics Technicians	devices.	Existing Green New & Emerging	N	Non-Green Task
.=		Perform laser seam welding, heat treatment, or hard facing operations.			
17-3029.08	Photonics Technicians		Existing Green New & Emerging	N	Non-Green Task
15 2020 00		Recommend optical or optic equipment design or material changes to			
	Photonics Technicians	reduce costs or processing times.	Existing Green New & Emerging	N	Non-Green Task
17-3029.08	Photonics Technicians	Repair or calibrate products, such as surgical lasers.	Existing Green New & Emerging	N	Non-Green Task
		Set up or operate assembly or processing equipment, such as lasers,			
		cameras, die bonders, wire bonders, dispensers, reflow ovens, soldering			
15 2020 00	Di	irons, die shears, wire pull testers, temperature or humidity chambers, or optical spectrum analyzers.			
17-3029.08	Photonics Technicians		Existing Green New & Emerging	N	Non-Green Task
15 2020 00	Di	Set up or operate prototype or test apparatus, such as control consoles,			
17-3029.08	Photonics Technicians	collimators, recording equipment, or cables.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
17-3029.08	Photonics Technicians	Splice fibers, using fusion splicing or other techniques.	Existing Green New & Emerging	N	Non-Green Task
		Terminate, cure, polish, or test fiber cables with mechanical connectors.			
17-3029.08	Photonics Technicians		Existing Green New & Emerging	N	Non-Green Task
		Test or perform failure analysis for optomechanical or optoelectrical			
17-3029.08	Photonics Technicians	products, according to test plans.	Existing Green New & Emerging	N	Non-Green Task
		Assemble components of energy-efficient optical communications			
		systems involving photonic switches, optical backplanes, or			
17-3029.08	Photonics Technicians	optoelectronic interfaces.	Existing Green New & Emerging	Υ	New Green Task
		Assemble devices or equipment to be used in green technology			
		applications, including solar energy, high efficiency solid state lighting,			
17-3029.08	Photonics Technicians	energy management, smart buildings, or green processes.	Existing Green New & Emerging	Y	New Green Task
		Build photonics tools to be applied to electrical grids to detect hot spots,			
17-3029.08	Photonics Technicians	such as failing insulators or conductors.	Existing Green New & Emerging	Y	New Green Task
17-3029.08	Photonics Technicians	Develop solar power sources for lasers used in fiber optics.	Existing Green New & Emerging	Y	New Green Task
17-3029.08	Photonics Technicians	Fabricate sensors to be used to control wind turbines.	Existing Green New & Emerging	Y	New Green Task
		Monitor mechanical factors, such as turbine load or strain information.			
17-3029.08	Photonics Technicians		Existing Green New & Emerging	Y	New Green Task
	Manufacturing Production	Assist engineers in developing, building, or testing prototypes or new			
17-3029.09	Technicians	products, processes, or procedures.	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Build packaging for finished products.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Build product subassemblies or final assemblies.	3 3		
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
		Calibrate or adjust equipment to ensure quality production, using tools	3 3		
	Manufacturing Production	such as calipers, micrometers, height gauges, protractors, or ring gauges.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Clean production equipment or work areas.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Inspect finished products for quality and adherence to customer			
17-3029.09	Technicians	specifications.	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Install new manufacturing equipment.			
17-3029.09	Technicians	S I I	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Keep manufacturing production logs.			
17-3029.09	Technicians	1 61	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Maintain inventory of job materials.	a mag a same as a manging		
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
2. 0027.07	Manufacturing Production	Measure and record data associated with operating equipment.		1,	Groom raok
17 3020 00	Technicians	and record data associated with operating equipment.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Manufacturing Production	Monitor and adjust production processes or equipment for quality and			
17-3029.09	Technicians	productivity.	Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Package finished products.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Plan and lay out work to meet production and schedule requirements.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Prepare and assemble materials.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
		Prepare production documents, such as standard operating procedures,			
	Manufacturing Production	manufacturing batch records, inventory reports, or productivity reports.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Provide advice or training to other technicians.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Provide production, progress, or changeover reports to shift supervisors.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Select cleaning materials, tools, or equipment.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
		Set up and operate production equipment in accordance with current good	i		
	Manufacturing Production	manufacturing practices and standard operating procedures.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Set up and verify the functionality of safety equipment.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Manufacturing Production	Ship packages, following carrier specifications.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
.=	Manufacturing Production	Start up and shut down processing equipment.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
15 2020 00	Manufacturing Production	Test products or subassemblies for functionality or quality.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
15 2020 00	Manufacturing Production	Troubleshoot problems with equipment, devices, or products.			
17-3029.09	Technicians		Existing Green New & Emerging	N	Non-Green Task
17 2020 00	Manufacturing Production	Adhere to all applicable regulations, policies, and procedures for health,		.,	
1/-3029.09	Technicians	safety, and environmental compliance.	Existing Green New & Emerging	Y	Existing Green Task
17 2020 00	Manufacturing Production	Collect hazardous or non-hazardous waste or scrap materials in correctly			F : # 0 F :
1/-3029.09	Technicians	labeled barrels or other containers.	Existing Green New & Emerging	Y	Existing Green Task
		Clean scrap materials for recycling or reuse, such as preparing aluminum			
17 2020 00	Manufacturing Production	scrap for cold-bonding processes or preparing paper for pulping or ink removal processes.	Fuinting Coops Nov. 9 Factories	V	Now One on Tools
17-3029.09	Technicians	removar processes.	Existing Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Conduct environmental safety inspections in accordance with standard			
	Manufacturing Production	protocols to ensure production activities comply with environmental			
17-3029.09	Technicians	regulations or standards.	Existing Green New & Emerging	Υ	New Green Task
	Manufacturing Production	Separate scrap or waste materials for recycling, reuse, or environmentally			
17-3029.09	Technicians	sound disposal.	Existing Green New & Emerging	Υ	New Green Task
	Manufacturing Production	Transfer hazardous or non-hazardous waste materials to collection areas			
17-3029.09	Technicians	for disposal, recycling, or reuse.	Existing Green New & Emerging	Υ	New Green Task
		Assemble fuel cells or fuel cell stacks according to mechanical or			
17-3029.10	Fuel Cell Technicians	electrical assembly documents or schematics.	Existing Green New & Emerging	Υ	Existing Green Task
17-3029.10	Fuel Cell Technicians	Build fuel cell prototypes, following engineering specifications.	Existing Green New & Emerging	Y	Existing Green Task
17-3029.10	Fuel Cell Technicians	Calibrate equipment used for fuel cell testing.	Existing Green New & Emerging	Y	Existing Green Task
17-3029.10	Fuel Cell Technicians	Collect or maintain fuel cell test data.	Existing Green New & Emerging	Υ	Existing Green Task
		Document or analyze fuel cell test data, using spreadsheets or other			
17-3029.10	Fuel Cell Technicians	computer software.	Existing Green New & Emerging	Υ	Existing Green Task
		Perform routine or preventive maintenance on fuel cell test equipment.			
17-3029.10	Fuel Cell Technicians		Existing Green New & Emerging	Υ	Existing Green Task
		Perform routine vehicle maintenance procedures, such as part			
17-3029.10	Fuel Cell Technicians	replacements or tune-ups.	Existing Green New & Emerging	Υ	Existing Green Task
17-3029.10	Fuel Cell Technicians	Recommend improvements to fuel cell design or performance.	Existing Green New & Emerging	Y	Existing Green Task
17-3029.10	Fuel Cell Technicians	Report results of fuel cell tests.	Existing Green New & Emerging	Y	Existing Green Task
		Test fuel cells or fuel cell stacks, using complex electronic equipment.			
17-3029.10	Fuel Cell Technicians		Existing Green New & Emerging	Υ	Existing Green Task
17-3029.10	Fuel Cell Technicians	Troubleshoot fuel cell test equipment.	Existing Green New & Emerging	Y	Existing Green Task
17-3029.10	Fuel Cell Technicians	Order fuel cell testing materials.	Existing Green New & Emerging	Y	Existing Green Task
		Conduct tests or provide technical support for tests of prototype fuel cell			
17-3029.10	Fuel Cell Technicians	engines or thermal management systems.	Existing Green New & Emerging	Υ	New Green Task
		Install or test spark ignition (SI) or compression ignition (CI) engines.			
17-3029.10	Fuel Cell Technicians		Existing Green New & Emerging	Υ	New Green Task
		Install, calibrate, or operate emissions analyzers, cell assist software,			
		fueling systems, or air conditioning systems in engine testing systems.			
17-3029.10	Fuel Cell Technicians		Existing Green New & Emerging	Υ	New Green Task
		Perform electrochemical performance or durability testing of solid oxide			
17-3029.10	Fuel Cell Technicians	fuel cells.	Existing Green New & Emerging	Υ	New Green Task
	Nanotechnology Engineering	Collect or compile nanotechnology research or engineering data.			
17-3029.11	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Nanotechnology Engineering	Contribute written material or data for grant or patent applications.			
17-3029.11	Technologists		Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Design or conduct experiments, in collaboration with scientists or			
	Nanotechnology Engineering	engineers, supportive of the development of nanotechnology materials,			
17-3029.11	Technologists	components, devices, or systems.	Existing Green New & Emerging	N	Non-Green Task
	Nanotechnology Engineering	Develop or modify wet chemical or industrial laboratory experimental			
17-3029.11	Technologists	techniques for nanoscale use.	Existing Green New & Emerging	N	Non-Green Task
		Implement new or enhanced methods or processes for the processing,			
17 2020 11	Nanotechnology Engineering	testing, or manufacture of nanotechnology materials or products.			
17-3029.11	Technologists		Existing Green New & Emerging	N	Non-Green Task
17 2020 11	Nanotechnology Engineering	Inspect or measure thin films of carbon nanotubes, polymers, or inorganic coatings, using a variety of techniques or analytical tools.			
17-3029.11	Technologists	Install nanotechnology production equipment at customer or	Existing Green New & Emerging	N	Non-Green Task
17 2020 11	Nanotechnology Engineering Technologists	manufacturing sites.	Eviating Cross Now & Emerging	N	Non-Green Task
17-3029.11	Nanotechnology Engineering	Prepare capability data, training materials, or other documentation for	Existing Green New & Emerging	IN	Non-Green Task
17 2020 11	Technologists	transfer of processes to production.	Existing Green New & Emerging	N	Non-Green Task
17-3029.11	Nanotechnology Engineering	Prepare detailed verbal or written presentations for scientists, engineers,	Existing Green New & Emerging	IN	Non-Green rask
17-3029 11	Technologists	project managers, or upper management.	Existing Green New & Emerging	N	Non-Green Task
17 3027.11	Technologists	Produce images or measurements, using tools or techniques such as	Existing Green New & Emerging	14	Non-Orcen rask
	Nanotechnology Engineering	atomic force microscopy, scanning electron microscopy, optical			
17-3029.11	Technologists	microscopy, particle size analysis, or zeta potential analysis.	Existing Green New & Emerging	N	Non-Green Task
	Nanotechnology Engineering	Supervise or provide technical direction to technicians engaged in			
17-3029.11	Technologists	nanotechnology research or production.	Existing Green New & Emerging	N	Non-Green Task
	Nanotechnology Engineering	Analyze the life cycle of nanomaterials or nano-enabled products to			
17-3029.11	Technologists	determine environmental impact.	Existing Green New & Emerging	Υ	New Green Task
	Nanotechnology Engineering	Capture nanoparticle contaminants, using techniques such as electrical			
17-3029.11	Technologists	fields or electrospinning.	Existing Green New & Emerging	Y	New Green Task
	Nanotechnology Engineering	Compare the performance or environmental impact of nanomaterials by			
17-3029.11	Technologists	nanoparticle size, shape, or organization.	Existing Green New & Emerging	Υ	New Green Task
		Mix raw materials or catalysts to manufacture nanoparticles according to			
	Nanotechnology Engineering	specifications, ensuring proper particle size, shape, or organization.			
17-3029.11	Technologists		Existing Green New & Emerging	Y	New Green Task
	Nanotechnology Engineering	Monitor hazardous waste cleanup procedures to ensure proper application			
17-3029.11	Technologists	of nanocomposites or accomplishment of objectives.	Existing Green New & Emerging	Y	New Green Task
45.0000	Nanotechnology Engineering	Process nanoparticles or nanostructures, using technologies such as			
17-3029.11	Technologists	ultraviolet radiation, microwave energy, or catalysis.	Existing Green New & Emerging	Y	New Green Task
		Assemble components, using techniques such as interference fitting,			
17 2020 12	Nanotechnology Engineering	solvent bonding, adhesive bonding, heat sealing, or ultrasonic welding.	- · · · · · · · · · · · · · · · · · · ·		
17-3029.12	Technicians		Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Assist nanoscientists, engineers, or technologists in processing or			
	Nanotechnology Engineering	characterizing materials according to physical or chemical properties.			
17-3029.12	Technicians		Existing Green New & Emerging	N	Non-Green Task
	Nanotechnology Engineering	Assist nanoscientists, engineers, or technologists in writing process			
17-3029.12	Technicians	specifications or documentation.	Existing Green New & Emerging	N	Non-Green Task
	Nanotechnology Engineering	Calibrate nanotechnology equipment, such as weighing, testing, or			
17-3029.12	Technicians	production equipment.	Existing Green New & Emerging	N	Non-Green Task
	Nanotechnology Engineering	Compile information or prepare reports on nanotechnology experiments			
17-3029.12	Technicians	or applications.	Existing Green New & Emerging	N	Non-Green Task
.=	Nanotechnology Engineering	Inspect nanotechnology work products to ensure quality or adherence to			
17-3029.12	Technicians	specifications.	Existing Green New & Emerging	N	Non-Green Task
15 2020 12	Nanotechnology Engineering	Maintain accurate record or batch-record documentation of			
17-3029.12	Technicians	nanoproduction.	Existing Green New & Emerging	N	Non-Green Task
15 2020 12	Nanotechnology Engineering	Maintain work area according to cleanroom or other processing standards			
17-3029.12	Technicians		Existing Green New & Emerging	N	Non-Green Task
15 2020 12	Nanotechnology Engineering	Measure or mix chemicals or compounds in accordance with detailed			
17-3029.12	Technicians	instructions or formulas.	Existing Green New & Emerging	N	Non-Green Task
		Monitor equipment during operation to ensure adherence to specifications			
17, 2020, 12	Nanotechnology Engineering	for characteristics such as pressure, temperature, or flow.			
17-3029.12	Technicians		Existing Green New & Emerging	N	Non-Green Task
		Operate nanotechnology compounding, testing, processing, or production			
	N . 1 1 5	equipment in accordance with appropriate standard operating procedures, good manufacturing practices, hazardous material restrictions, or health			
17 2000 10	Nanotechnology Engineering	and safety requirements.	F : " O N O F :		
17-3029.12	Technicians		Existing Green New & Emerging	N	Non-Green Task
	N . 1 1 5	Perform functional tests of nano-enhanced assemblies, components, or systems, using equipment such as torque gauges or conductivity meters.			
17 2020 12	Nanotechnology Engineering Technicians	systems, using equipment such as torque gauges of conductivity meters.	Frieties Cases New 8 Francisco	N	Non Cross Tools
17-3029.12		Produce detailed images or measurement of objects, using tools such as	Existing Green New & Emerging	N	Non-Green Task
17 2020 12	Nanotechnology Engineering Technicians	scanning tunneling microscopes or oscilloscopes.	Eviating Cross Now & Emerging	N	Non-Green Task
17-3029.12		Record nanotechnology test results in logs, laboratory notebooks, or	Existing Green New & Emerging	IN	Non-Green rask
17 2020 12	Nanotechnology Engineering Technicians	spreadsheet software.	Eviating Cross Now & Emerging	N	Non-Green Task
17-3029.12		Repair nanotechnology processing or testing equipment or submit work	Existing Green New & Emerging	IN	Non-Green rask
17 2020 12	Nanotechnology Engineering Technicians	orders for equipment repair.	Eviating Croop Now & Emerging	N	Non-Green Task
17-3029.12	Nanotechnology Engineering	Set up or execute nanoparticle experiments according to detailed	Existing Green New & Emerging	IN	INUIT-GIEEH TASK
17 3020 12	Technicians	instructions.	Existing Green New & Emerging	N	Non-Green Task
17-3047.14	1 Cellificians	Measure emission of nanodust or nanoparticles, using systems such as	LAISTING GLEET NEW & ETHELDING	IN	INOIT-GIEETI TASK
	Nanotechnology Engineering	aerosol detection systems, during nanocomposite or other nano-scale			
17-3029 12	Technicians	production processes.	Existing Green New & Emerging	Υ	New Green Task
17-3047.14	1 Centificialis	Production Production.	LAISTING GLEET NEW & EITHEIGHING	ī	INEW GIEEH LASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Nanotechnology Engineering	Measure or report toxicity of engineered nanoparticles.			
17-3029.12	Technicians		Existing Green New & Emerging	Υ	New Green Task
	Nanotechnology Engineering	Test nano-enabled products to determine amount of shedding or loss of			
17-3029.12	Technicians	nanoparticles.	Existing Green New & Emerging	Υ	New Green Task
		Advise land users, such as farmers or ranchers, on plans, problems, or			
19-1031.01	Soil and Water Conservationists	alternative conservation solutions.	Green Enhanced Skills	Υ	Existing Green Task
		Analyze results of investigations to determine measures needed to			
19-1031.01	Soil and Water Conservationists	maintain or restore proper soil management.	Green Enhanced Skills	Υ	Existing Green Task
		Apply principles of specialized fields of science, such as agronomy, soil			
		science, forestry, or agriculture, to achieve conservation objectives.			
19-1031.01	Soil and Water Conservationists		Green Enhanced Skills	Υ	Existing Green Task
		Compile or interpret biodata to determine extent or type of wetlands or to			
19-1031.01	Soil and Water Conservationists	aid in program formulation.	Green Enhanced Skills	Υ	Existing Green Task
		Compute cost estimates of different conservation practices, based on			
		needs of land users, maintenance requirements, or life expectancy of			
19-1031.01	Soil and Water Conservationists	practices.	Green Enhanced Skills	Υ	Existing Green Task
		Compute design specifications for implementation of conservation			
		practices, using survey or field information technical guides or			
19-1031.01	Soil and Water Conservationists	engineering manuals.	Green Enhanced Skills	Υ	Existing Green Task
		Conduct fact-finding or mediation sessions among government units,			
19-1031.01	Soil and Water Conservationists	landowners, or other agencies to resolve disputes.	Green Enhanced Skills	Y	Existing Green Task
		Coordinate or implement technical, financial, or administrative assistance			
		programs for local government units to ensure efficient program			
		implementation or timely responses to requests for assistance.			
19-1031.01	Soil and Water Conservationists		Green Enhanced Skills	Υ	Existing Green Task
		Develop or maintain working relationships with local government staff or	•		
19-1031.01	Soil and Water Conservationists	board members.	Green Enhanced Skills	Υ	Existing Green Task
		Develop, conduct, or participate in surveys, studies, or investigations of			
		various land uses to inform corrective action plans.			
19-1031.01	Soil and Water Conservationists		Green Enhanced Skills	Υ	Existing Green Task
		Initiate, schedule, or conduct annual audits or compliance checks of			0
19-1031.01	Soil and Water Conservationists	program implementation by local government.	Green Enhanced Skills	Y	Existing Green Task
	Soil and Water Conservationists	Manage field offices or involve staff in cooperative ventures.	Green Enhanced Skills	Y	Existing Green Task
		Monitor projects during or after construction to ensure projects conform			<u> </u>
19-1031.01	Soil and Water Conservationists	to design specifications.	Green Enhanced Skills	Υ	Existing Green Task
		Plan soil management or conservation practices, such as crop rotation,			<u> </u>
		reforestation, permanent vegetation, contour plowing, or terracing, to			
19-1031.01	Soil and Water Conservationists	maintain soil or conserve water.	Green Enhanced Skills	Y	Existing Green Task
-/ 1001.01	and att. Combon rationists		C. CON EMIGRICOG ORMO	<u> </u>	omg Croom rack

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Provide access to programs or training to assist in completion of			
19-1031.01	Soil and Water Conservationists	government groundwater protection plans.	Green Enhanced Skills	Υ	Existing Green Task
		Provide information, knowledge, expertise, or training to government			
		agencies at all levels to solve water or soil management problems or to			
		assure coordination of resource protection activities.			
19-1031.01	Soil and Water Conservationists		Green Enhanced Skills	Y	Existing Green Task
		Respond to complaints or questions on wetland jurisdiction, providing			
19-1031.01	Soil and Water Conservationists	information or clarification.	Green Enhanced Skills	Υ	Existing Green Task
		Review annual reports of counties, conservation districts, or watershed			
		management organizations, certifying compliance with mandated			
19-1031.01	Soil and Water Conservationists	reporting requirements.	Green Enhanced Skills	Y	Existing Green Task
19-1031.01	Soil and Water Conservationists	Review grant applications or make funding recommendations.	Green Enhanced Skills	Y	Existing Green Task
		Review or approve amendments to comprehensive local water plans or			
19-1031.01	Soil and Water Conservationists	conservation district plans.	Green Enhanced Skills	Υ	Existing Green Task
		Review proposed wetland restoration easements or provide technical			
19-1031.01	Soil and Water Conservationists	recommendations.	Green Enhanced Skills	Y	Existing Green Task
19-1031.01	Soil and Water Conservationists	Revisit land users to view implemented land use practices or plans.	Green Enhanced Skills	Y	Existing Green Task
		Survey property to mark locations or measurements, using surveying			
19-1031.01	Soil and Water Conservationists	instruments.	Green Enhanced Skills	Υ	Existing Green Task
		Visit areas affected by erosion problems to identify causes or determine			
19-1031.01	Soil and Water Conservationists	solutions.	Green Enhanced Skills	Υ	Existing Green Task
		Participate on work teams to plan, develop, or implement water or land			
19-1031.01	Soil and Water Conservationists	management programs or policies.	Green Enhanced Skills	Υ	Existing Green Task
		Calculate or compare efficiencies associated with changing from low-			
		precision irrigation technologies, such as furrow irrigation, to high-			
19-1031.01	Soil and Water Conservationists	precision technologies, such as computer-controlled systems.	Green Enhanced Skills	Υ	New Green Task
		Develop or conduct environmental studies, such as plant material field			
19-1031.01	Soil and Water Conservationists	trials or wildlife habitat impact studies.	Green Enhanced Skills	Y	New Green Task
		Develop water conservation or harvest plans, using weather information			
		systems, irrigation information management systems, or other sources of			
19-1031.01	Soil and Water Conservationists	daily evapotranspiration (ET) data.	Green Enhanced Skills	Υ	New Green Task
		Enter local soil, water, or other environmental data into adaptive or web-			
		based decision tools to identify appropriate analyses or techniques.			
19-1031.01	Soil and Water Conservationists		Green Enhanced Skills	Υ	New Green Task
-		Evaluate or recommend geographic information systems (GIS)			
		applications to address issues such as surface water quality, groundwater			
		quality, ecological risk assessments, air quality, or environmental			
19-1031.01	Soil and Water Conservationists	contamination.	Green Enhanced Skills	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Gather information from geographic information systems (GIS) databases			VI
19-1031.01	Soil and Water Conservationists	or applications to formulate land use recommendations.	Green Enhanced Skills	Y	New Green Task
		Identify or recommend integrated weed and pest management (IPM)			
		strategies, such as resistant plants, cultural or behavioral controls, soil			
		amendments, insects, natural enemies, barriers, or pesticides.			
19-1031.01	Soil and Water Conservationists		Green Enhanced Skills	Υ	New Green Task
		Implement soil or water management techniques, such as nutrient			
		management, erosion control, buffers, or filter strips, in accordance with			
19-1031.01	Soil and Water Conservationists	conservation plans.	Green Enhanced Skills	Y	New Green Task
-, -, -, -, -, -, -, -, -, -, -, -, -, -		Broadcast weather conditions, forecasts, or severe weather warnings to th		<u> </u>	Tron Groom ruen
		public via television, radio, or the Internet or provide this information to			
19-2021 00	Atmospheric and Space Scientists	the news media.	Green Enhanced Skills	N	Non-Green Task
17 2021.00	Transspherie and Space Scientists	Collect air samples from planes or ships over land or sea to study	Green Ermaneed Okins	1	THOM STOCK TOOK
19-2021 00	Atmospheric and Space Scientists	atmospheric composition.	Green Enhanced Skills	N	Non-Green Task
17-2021.00	Atthospheric and Space Scientists	Design or develop new equipment or methods for meteorological data	Green Ennanced Skins	IN	Non-Oreen Task
19-2021 00	Atmospheric and Space Scientists	collection, remote sensing, or related applications.	Green Enhanced Skills	N	Non-Green Task
17 2021.00	Transpierie and Space Scientists	Develop or use mathematical or computer models for weather forecasting		11	Non Orcen rask
19-2021 00	Atmospheric and Space Scientists	Develop of use mathematical of computer models for weather forecasting	Green Enhanced Skills	N	Non-Green Task
17-2021.00	Authospheric and Space Scientists	Direct forecasting services at weather stations or at radio or television	Green Ennanced Skins	IN	Non-Oreen Task
10 2021 00	Atmospheric and Space Scientists	broadcasting facilities.	Green Enhanced Skills	N	Non-Green Task
19-2021.00	Authospheric and Space Scientists	Gather data from sources such as surface or upper air stations, satellites,	Green Ennanced Skins	IN	Non-Green rask
		weather bureaus, or radar for use in meteorological reports or forecasts.			
10 2021 00	Atmospheric and Space Scientists	weather bureaus, of radar for use in increorological reports of forecasts.	Green Enhanced Skills	N	Non-Green Task
19-2021.00	Authospheric and Space Scientists	Measure wind, temperature, and humidity in the upper atmosphere, using		IN	Non-Green Task
10 2021 00	A4	weather balloons.			Nam One en Tard
19-2021.00	Atmospheric and Space Scientists	Perform managerial duties, such as creating work schedules, creating or	Green Enhanced Skills	N	Non-Green Task
10 2021 00	A. 1 . 10 0	implementing staff training, matching staff expertise to situations, or analyzing performance of offices.	0 5 1 101 11		
19-2021.00	Atmospheric and Space Scientists		Green Enhanced Skills	N	Non-Green Task
10 2021 00		Prepare forecasts or briefings to meet the needs of industry, business,			
19-2021.00	Atmospheric and Space Scientists	government, or other groups.	Green Enhanced Skills	N	Non-Green Task
		Prepare scientific atmospheric or climate reports, articles, or texts.			
19-2021.00	Atmospheric and Space Scientists		Green Enhanced Skills	N	Non-Green Task
10.0001.00		Prepare weather reports or maps for analysis, distribution, or use in			
19-2021.00	Atmospheric and Space Scientists	weather broadcasts, using computer graphics.	Green Enhanced Skills	N	Non-Green Task
		Teach college-level courses on topics such as atmospheric and space			
19-2021.00	Atmospheric and Space Scientists	science, meteorology, or global climate change.	Green Enhanced Skills	N	Non-Green Task
		Research the impact of industrial projects or pollution on climate, air			
19-2021.00	Atmospheric and Space Scientists	quality, or weather phenomena.	Green Enhanced Skills	Y	Existing Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Analyze historical climate information, such as precipitation or			
		temperature records, to help predict future weather or climate trends.			
19-2021.00	Atmospheric and Space Scientists		Green Enhanced Skills	Y	Existing Green Task
		Conduct meteorological research into the processes or determinants of			-
19-2021.00	Atmospheric and Space Scientists	atmospheric phenomena, weather, or climate.	Green Enhanced Skills	Y	Existing Green Task
		Conduct numerical simulations of climate conditions to understand and			
19-2021.00	Atmospheric and Space Scientists	predict global or regional weather patterns.	Green Enhanced Skills	Y	Existing Green Task
		Consult with other offices, agencies, professionals, or researchers			
		regarding the use and interpretation of climatological information for			
19-2021.00	Atmospheric and Space Scientists	weather predictions and warnings.	Green Enhanced Skills	Υ	Existing Green Task
		Interpret data, reports, maps, photographs, or charts to predict long- or			
		short-range weather conditions, using computer models and knowledge of			
19-2021.00	Atmospheric and Space Scientists	climate theory, physics, and mathematics.	Green Enhanced Skills	Y	Existing Green Task
		Apply meteorological knowledge to issues such as global warming,			
19-2021.00	Atmospheric and Space Scientists	pollution control, or ozone depletion.	Green Enhanced Skills	Υ	Existing Green Task
		Analyze climate data sets, using techniques such as geophysical fluid			
19-2021.00	Atmospheric and Space Scientists	dynamics, data assimilation, or numerical modeling.	Green Enhanced Skills	Υ	New Green Task
		Conduct wind assessment, integration, or validation studies.			
19-2021.00	Atmospheric and Space Scientists		Green Enhanced Skills	Υ	New Green Task
		Create visualizations to illustrate historical or future changes in the Earth's			
		climate, using paleoclimate or climate geographic information systems			
19-2021.00	Atmospheric and Space Scientists	(GIS) databases.	Green Enhanced Skills	Υ	New Green Task
		Estimate or predict the effects of global warming over time for specific			
19-2021.00	Atmospheric and Space Scientists	geographic regions.	Green Enhanced Skills	Υ	New Green Task
		Formulate predictions by interpreting environmental data, such as			
		meteorological, atmospheric, oceanic, paleoclimate, climate, or related			
19-2021.00	Atmospheric and Space Scientists	information.	Green Enhanced Skills	Y	New Green Task
		Analyze and distill climate-related research findings to inform legislators,			
19-2041.01	Climate Change Analysts	regulatory agencies, or other stakeholders.	New Green New & Emerging	Y	New Green Task
		Develop, or contribute to the development of, educational or outreach			
19-2041.01	Climate Change Analysts	programs on the environment or climate change.	New Green New & Emerging	Y	New Green Task
		Gather and review climate-related studies from government agencies,			
19-2041.01	Climate Change Analysts	research laboratories, and other organizations.	New Green New & Emerging	Y	New Green Task
		Make legislative recommendations related to climate change or			
		environmental management, based on climate change policies, principles,			
19-2041.01	Climate Change Analysts	programs, practices, and processes.	New Green New & Emerging	Y	New Green Task
		Prepare grant applications to obtain funding for programs related to			
19-2041.01	Climate Change Analysts	climate change, environmental management, or sustainability.	New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Prepare study reports, memoranda, briefs, testimonies, or other written			
		materials to inform government or environmental groups on			
19-2041.01	Climate Change Analysts	environmental issues such as climate change.	New Green New & Emerging	Υ	New Green Task
		Present and defend proposals for climate change research projects.			
19-2041.01	Climate Change Analysts		New Green New & Emerging	Υ	New Green Task
		Present climate-related information at public interest, governmental, or			
19-2041.01	Climate Change Analysts	other meetings.	New Green New & Emerging	Y	New Green Task
		Promote initiatives to mitigate climate change with government or			
19-2041.01	Climate Change Analysts	environmental groups.	New Green New & Emerging	Υ	New Green Task
		Propose new or modified policies involving use of traditional and			
		alternative fuels, transportation of goods, and other factors relating to			
19-2041.01	Climate Change Analysts	climate and climate change.	New Green New & Emerging	Y	New Green Task
		Provide analytical support for policy briefs related to renewable energy,			
19-2041.01	Climate Change Analysts	energy efficiency, or climate change.	New Green New & Emerging	Y	New Green Task
		Research policies, practices, or procedures for climate or environmental			
19-2041.01	Climate Change Analysts	management.	New Green New & Emerging	Y	New Green Task
		Review existing policies or legislation to identify environmental impacts.			
19-2041.01	Climate Change Analysts		New Green New & Emerging	Y	New Green Task
		Write reports or academic papers to communicate findings of climate-			
19-2041.01	Climate Change Analysts	related studies.	New Green New & Emerging	Υ	New Green Task
	Environmental Restoration	Apply for permits required for the implementation of environmental			
19-2041.02	Planners	remediation projects.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Collect and analyze data to determine environmental conditions and			
19-2041.02	Planners	restoration needs.	New Green New & Emerging	Υ	New Green Task
	Environmental Restoration	Communicate findings of environmental studies or proposals for			
19-2041.02	Planners	environmental remediation to other restoration professionals.	New Green New & Emerging	Υ	New Green Task
		Conduct environmental impact studies to examine the ecological effects			
	Environmental Restoration	of pollutants, disease, human activities, nature, and climate change.			
19-2041.02	Planners		New Green New & Emerging	Υ	New Green Task
	Environmental Restoration	Conduct feasibility and cost-benefit studies for environmental remediation	d		
19-2041.02	Planners	projects.	New Green New & Emerging	Υ	New Green Task
	Environmental Restoration	Conduct site assessments to certify a habitat or to ascertain environmental			
19-2041.02	Planners	damage or restoration needs.	New Green New & Emerging	Υ	New Green Task
		Create diagrams to communicate environmental remediation planning			
	Environmental Restoration	using geographic information systems (GIS), computer-aided design			
19-2041.02	Planners	(CAD), or other mapping or diagramming software.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Create environmental models or simulations, using geographic			
	Environmental Restoration	information system (GIS) data and knowledge of particular ecosystems or	r		
19-2041.02		ecological regions.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Create habitat management or restoration plans, such as native tree			
19-2041.02		restoration and weed control.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Develop and communicate recommendations for landowners to maintain			
19-2041.02	Planners	or restore environmental conditions.	New Green New & Emerging	Y	New Green Task
		Develop environmental management or restoration plans for sites with			
	Environmental Restoration	power transmission lines, natural gas pipelines, fuel refineries, geotherma			
19-2041.02	Planners	plants, wind farms, or solar farms.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Develop environmental restoration project schedules and budgets.			
19-2041.02	Planners		New Green New & Emerging	Y	New Green Task
		Develop natural resource management plans, using knowledge of			
	Environmental Restoration	environmental planning or state and federal environmental regulatory			
19-2041.02	Planners	requirements.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Identify environmental mitigation alternatives, ensuring compliance with			
19-2041.02	Planners	applicable standards, laws, or regulations.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Identify short- and long-term impacts of environmental remediation			
19-2041.02	Planners	activities.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Inspect active remediation sites to ensure compliance with environmental			
19-2041.02	Planners	or safety policies, standards, or regulations.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Notify regulatory or permitting agencies of deviations from implemented			
19-2041.02	Planners	remediation plans.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Plan environmental restoration projects, using biological databases,			
19-2041.02	Planners	environmental strategies, and planning software.	New Green New & Emerging	Y	New Green Task
		Plan or supervise environmental studies to achieve compliance with			
		environmental regulations in construction, modification, operation,			
	Environmental Restoration	acquisition, or divestiture of facilities such as power plants.			
19-2041.02	Planners		New Green New & Emerging	Y	New Green Task
		Provide technical direction on environmental planning to energy			
	Environmental Restoration	engineers, biologists, geologists, or other professionals working to			
19-2041.02	Planners	develop restoration plans or strategies.	New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Review existing environmental remediation designs.			
19-2041.02	Planners		New Green New & Emerging	Y	New Green Task
	Environmental Restoration	Supervise and provide technical guidance, training, or assistance to			
19-2041.02	Planners	employees working in the field to restore habitats.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Analyze changes designed to improve the environmental performance of			
		complex systems to avoid unintended negative consequences.			
19-2041.03	Industrial Ecologists		New Green New & Emerging	Υ	New Green Task
		Apply new or existing research about natural ecosystems to understand			
		economic and industrial systems in the context of the environment.			
19-2041.03	Industrial Ecologists		New Green New & Emerging	Υ	New Green Task
		Build and maintain databases of information about energy alternatives,			
		pollutants, natural environments, industrial processes, and other			
19-2041.03	Industrial Ecologists	information related to ecological change.	New Green New & Emerging	Υ	New Green Task
		Carry out environmental assessments in accordance with applicable			
19-2041.03	Industrial Ecologists	standards, regulations, or laws.	New Green New & Emerging	Υ	New Green Task
		Conduct analyses to determine the maximum amount of work that can be			
		accomplished for a given amount of energy in a system, such as industrial			
		production systems and waste treatment systems.			
19-2041.03	Industrial Ecologists		New Green New & Emerging	Υ	New Green Task
	9	Conduct applied research on the effects of industrial processes on the	0 0		
		protection, restoration, inventory, monitoring, or reintroduction of species			
19-2041.03	Industrial Ecologists	to the natural environment.	New Green New & Emerging	Υ	New Green Task
		Conduct environmental sustainability assessments by using material flow	5 5		
19-2041.03	Industrial Ecologists	analysis (MFA) or substance flow analysis (SFA) techniques.	New Green New & Emerging	Υ	New Green Task
		Conduct scientific protection, mitigation, or restoration projects to preven			
		resource damage, maintain the integrity of critical habitats, and minimize			
19-2041.03	Industrial Ecologists	the impact of human activities.	New Green New & Emerging	Υ	New Green Task
		Create complex and dynamic mathematical models of population,			
19-2041.03	Industrial Ecologists	community, or ecological systems.	New Green New & Emerging	Υ	New Green Task
		Develop alternative energy investment scenarios to compare economic			
19-2041.03	Industrial Ecologists	and environmental costs and benefits.	New Green New & Emerging	Υ	New Green Task
		Develop or test protocols to monitor ecosystem components and			
19-2041.03	Industrial Ecologists	ecological processes.	New Green New & Emerging	Υ	New Green Task
-, -, -, -, -, -, -, -, -, -, -, -, -, -		Evaluate the effectiveness of industrial ecology programs using statistical	The Green Heart & Line ging		TON Groom ruon
19-2041.03	Industrial Ecologists	analysis and applications.	New Green New & Emerging	Υ	New Green Task
1, 20.11.00	Industrial Ecologists	Examine local, regional or global use and flow of materials or energy in	The Green Heart & Line ging	<del> </del>	Tron Groom ruon
19-2041.03	Industrial Ecologists	industrial production processes.	New Green New & Emerging	Y	New Green Task
25 20 .1.05		Examine societal issues and their relationship with both technical systems			Groom raok
19-2041.03	Industrial Ecologists	and the environment.	New Green New & Emerging	Y	New Green Task
-> 2011.03		Forecast future status or condition of ecosystems, based on changing	Cross rion & Emerging		Croon rack
19-2041 03	Industrial Ecologists	industrial practices or environmental conditions.	New Green New & Emerging	Y	New Green Task
17-2041.03	muusiiai Ecologisis	madatal practices of environmental conditions.	INEW CIECH NEW & LINEIGHIG	ı	INEW GIEETI LASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Identify environmental impacts caused by products, systems, or projects.			
19-2041.03	Industrial Ecologists		New Green New & Emerging	Y	New Green Task
		Identify or compare the component parts or relationships between the			
19-2041.03	Industrial Ecologists	parts of industrial, social, and natural systems.	New Green New & Emerging	Y	New Green Task
		Identify or develop strategies or methods to minimize the environmental			
19-2041.03	Industrial Ecologists	impact of industrial production processes.	New Green New & Emerging	Y	New Green Task
		Identify sustainable alternatives to industrial or waste management			
19-2041.03	Industrial Ecologists	practices.	New Green New & Emerging	Y	New Green Task
		Investigate accidents affecting the environment to assess ecological			
19-2041.03	Industrial Ecologists	impact.	New Green New & Emerging	Y	New Green Task
		Investigate the adaptability of various animal and plant species to change	ed		
19-2041.03	Industrial Ecologists	environmental conditions.	New Green New & Emerging	Y	New Green Task
		Investigate the impact of changed land management or land use practices	S		
19-2041.03	Industrial Ecologists	on ecosystems.	New Green New & Emerging	Y	New Green Task
		Monitor the environmental impact of development activities, pollution, or	or		
19-2041.03	Industrial Ecologists	land degradation.	New Green New & Emerging	Υ	New Green Task
		Perform analyses to determine how human behavior can affect and be			
19-2041.03	Industrial Ecologists	affected by changes in the environment.	New Green New & Emerging	Υ	New Green Task
19-2041.03	Industrial Ecologists	Perform environmentally extended input output (EE I-O) analyses.	New Green New & Emerging	Y	New Green Task
		Plan or conduct field research on topics such as industrial production,			
		industrial ecology, population ecology, and environmental production or			
19-2041.03	Industrial Ecologists	sustainability.	New Green New & Emerging	Υ	New Green Task
		Plan or conduct studies of the ecological implications of historic or			
19-2041.03	Industrial Ecologists	projected changes in industrial processes or development.	New Green New & Emerging	Υ	New Green Task
19-2041.03	Industrial Ecologists	Prepare plans to manage renewable resources.	New Green New & Emerging	Y	New Green Task
		Prepare technical and research reports such as environmental impact			
		reports, and communicate the results to individuals in industry,			
19-2041.03	Industrial Ecologists	government, or the general public.	New Green New & Emerging	Υ	New Green Task
		Promote use of environmental management systems (EMS) to reduce			
		waste or to improve environmentally sound use of natural resources.			
19-2041.03	Industrial Ecologists		New Green New & Emerging	Υ	New Green Task
		Provide industrial managers with technical materials on environmental			
19-2041.03	Industrial Ecologists	issues, regulatory guidelines, or compliance actions.	New Green New & Emerging	Υ	New Green Task
		Recommend methods to protect the environment or minimize			
19-2041.03	Industrial Ecologists	environmental damage from industrial production practices.	New Green New & Emerging	Y	New Green Task
	<u> </u>	Redesign linear, or open loop, systems into cyclical, or closed loop,	5 5		
		systems so that waste products become inputs for new processes,			
19-2041.03	Industrial Ecologists	modeling natural ecosystems.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Research environmental effects of land and water used to determine			
		methods of improving environmental conditions or increasing outputs			
19-2041.03	Industrial Ecologists	such as crop yields.	New Green New & Emerging	Υ	New Green Task
		Research sources of pollution to determine environmental impact or to			
19-2041.03	Industrial Ecologists	develop methods of pollution abatement or control.	New Green New & Emerging	Υ	New Green Task
		Review industrial practices, such as the methods and materials used in			
		construction or production, to identify potential liabilities and			
19-2041.03	Industrial Ecologists	environmental hazards.	New Green New & Emerging	Υ	New Green Task
		Review research literature to maintain knowledge on topics related to			
		industrial ecology, such as physical science, technology, economy, and			
19-2041.03	Industrial Ecologists	public policy.	New Green New & Emerging	Y	New Green Task
		Translate the theories of industrial ecology into eco-industrial practices.			
19-2041.03	Industrial Ecologists		New Green New & Emerging	Υ	New Green Task
	Geoscientists, Except Hydrologists	Advise construction firms or government agencies on dam or road			
19-2042.00	and Geographers	construction, foundation design, land use, or resource management.	Green Enhanced Skills	N	Non-Green Task
	Geoscientists, Except Hydrologists	Analyze and interpret geological data, using computer software.			
19-2042.00	and Geographers		Green Enhanced Skills	N	Non-Green Task
		Analyze and interpret geological, geochemical, or geophysical			
	Geoscientists, Except Hydrologists	information from sources such as survey data, well logs, bore holes, or			
19-2042.00	and Geographers	aerial photos.	Green Enhanced Skills	N	Non-Green Task
		Communicate geological findings by writing research papers,			
	Geoscientists, Except Hydrologists	participating in conferences, or teaching geological science at universities	S.		
19-2042.00	and Geographers		Green Enhanced Skills	N	Non-Green Task
		Conduct geological or geophysical studies to provide information for use			
	Geoscientists, Except Hydrologists	in regional development, site selection, or development of public works			
19-2042.00	and Geographers	projects.	Green Enhanced Skills	N	Non-Green Task
	Geoscientists, Except Hydrologists	Design geological mine maps, monitor mine structural integrity, or advise	е		
19-2042.00	and Geographers	and monitor mining crews.	Green Enhanced Skills	N	Non-Green Task
	Geoscientists, Except Hydrologists	Develop applied software for the analysis and interpretation of geological	1		
19-2042.00	and Geographers	data.	Green Enhanced Skills	N	Non-Green Task
	Geoscientists, Except Hydrologists				
19-2042.00	and Geographers	aggregates, road fill, or in other applications.	Green Enhanced Skills	N	Non-Green Task
	Geoscientists, Except Hydrologists	Identify risks for natural disasters, such as mudslides, earthquakes, or			
19-2042.00	and Geographers	volcanic eruptions.	Green Enhanced Skills	N	Non-Green Task
	Geoscientists, Except Hydrologists	Inspect construction projects to analyze engineering problems, using test			
19-2042.00	and Geographers	equipment or drilling machinery.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Investigate the composition, structure, or history of the Earth's crust			
	Geoscientists, Except Hydrologists				
19-2042.00	and Geographers	soils, minerals, rocks, or fossil remains.	Green Enhanced Skills	N	Non-Green Task
		Locate and estimate probable natural gas, oil, or mineral ore deposits or			
10 20 12 00	Geoscientists, Except Hydrologists				
19-2042.00	and Geographers	or survey results.	Green Enhanced Skills	N	Non-Green Task
	Consideration Francis Hardwell siste	Measure characteristics of the Earth, such as gravity or magnetic fields, using equipment such as seismographs, gravimeters, torsion balances, or			
	Geoscientists, Except Hydrologists and Geographers	magnetometers.	Green Enhanced Skills	N	Non-Green Task
19-2042.00	and Geographers	Plan or conduct geological, geochemical, or geophysical field studies or	Green Ennanced Skills	IN	Non-Green rask
	Geoscientists, Except Hydrologists				
19-2042.00	and Geographers	data for research or application.	Green Enhanced Skills	N	Non-Green Task
		Prepare geological maps, cross-sectional diagrams, charts, or reports			The state of the s
	Geoscientists, Except Hydrologists				
19-2042.00	and Geographers	results of fieldwork or laboratory research.	Green Enhanced Skills	N	Non-Green Task
		Test industrial diamonds or abrasives, soil, or rocks to determine their			
	Geoscientists, Except Hydrologists	geological characteristics, using optical, x-ray, heat, acid, or precision			
19-2042.00	and Geographers	instruments.	Green Enhanced Skills	N	Non-Green Task
		Locate and review research articles or environmental, historical, or			
19-2042.00	and Geographers	technical reports.	Green Enhanced Skills	Y	Existing Green Task
		Review environmental cleanup work plans to determine the effectiveness			
10.2042.00	Geoscientists, Except Hydrologists	of the remedial activities for mitigating soil or groundwater contamination.			
19-2042.00	and Geographers		Green Enhanced Skills	Y	Existing Green Task
		Assess ground or surface water movement to provide advice regarding issues such as waste management, route and site selection, or the			
	and Geographers	restoration of contaminated sites.	Green Enhanced Skills	Υ	Existing Green Task
17-2042.00	Geoscientists, Except Hydrologists			'	Lasting Green Task
19-2042.00	and Geographers	related to geological materials or processes.	Green Enhanced Skills	Y	New Green Task
		Determine methods to incorporate geo-methane or methane hydrates into			
	Geoscientists, Except Hydrologists				
19-2042.00	and Geographers	of such incorporation.	Green Enhanced Skills	Y	New Green Task
	Geoscientists, Except Hydrologists	Determine ways to mitigate the negative consequences of mineral dust			
19-2042.00	and Geographers	dispersion.	Green Enhanced Skills	Υ	New Green Task
		Develop strategies for more environmentally friendly resource extraction			
19-2042.00	and Geographers	and reclamation.	Green Enhanced Skills	Y	New Green Task
	Geoscientists, Except Hydrologists				
19-2042.00	and Geographers	waste during oil production processes.	Green Enhanced Skills	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Identify new sources for Platinum Group Elements necessary for			
	Geoscientists, Except Hydrologists	industrial uses, such as automotive fuel cells or pollution abatement			
19-2042.00	and Geographers	systems.	Green Enhanced Skills	Υ	New Green Task
	Geoscientists, Except Hydrologists	Identify possible sites for carbon sequestration projects.			
19-2042.00	and Geographers		Green Enhanced Skills	Y	New Green Task
		Locate potential sources of geothermal energy.			
19-2042.00	and Geographers		Green Enhanced Skills	Y	New Green Task
		Provide advice on the safe siting of new nuclear reactor projects or			
19-2042.00	and Geographers	methods of nuclear waste management.	Green Enhanced Skills	Y	New Green Task
	Geoscientists, Except Hydrologists				
19-2042.00	and Geographers	sequestration projects.	Green Enhanced Skills	Y	New Green Task
		Research ways to reduce the ecological footprint of increasingly prevalent			
19-2042.00	and Geographers	megacities.	Green Enhanced Skills	Y	New Green Task
		Study historical climate change indicators found in locations such as ice			
	Geoscientists, Except Hydrologists				
19-2042.00	and Geographers	changes.	Green Enhanced Skills	Y	New Green Task
		Analyze data acquired from aircraft, satellites, or ground-based platforms,			
	Remote Sensing Scientists and	using statistical analysis software, image analysis software, or Geographic			
19-2099.01	Technologists	Information Systems (GIS).	Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Analyze data obtained from remote sensing systems to obtain meaningful			
19-2099.01	Technologists	results.	Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Attend meetings or seminars or read current literature to maintain			
19-2099.01	Technologists	knowledge of developments in the field of remote sensing.	Existing Green New & Emerging	N	Non-Green Task
10 2000 01	Remote Sensing Scientists and	Collect supporting data, such as climatic or field survey data to			
19-2099.01	Technologists	corroborate remote sensing data analyses.	Existing Green New & Emerging	N	Non-Green Task
10.2000.01	Remote Sensing Scientists and	Conduct research into the application or enhancement of remote sensing	F : :: 0 N 0 F :		
19-2099.01	Technologists	technology.	Existing Green New & Emerging	N	Non-Green Task
10 2000 01	Remote Sensing Scientists and	Design or implement strategies for collection, analysis, or display of	Friedra - Oraca - Nama - O Francisco		New Owner Teels
19-2099.01	Technologists	geographic data.	Existing Green New & Emerging	N	Non-Green Task
10 2000 01	Remote Sensing Scientists and	Develop automated routines to correct for the presence of image distorting artifacts, such as ground vegetation.	7		New Owner Teels
19-2099.01	Technologists		Existing Green New & Emerging	N	Non-Green Task
10.2000.01	Remote Sensing Scientists and Technologists	Develop new analytical techniques or sensor systems.	Eviating Cross New 9 Emander	N.I	Non Croon Task
19-2099.01		Develop or build databases for remote sensing or related geospatial	Existing Green New & Emerging	N	Non-Green Task
10.2000.01	Remote Sensing Scientists and	project information.	Eviating Croop Now 9 Emarcine	NI	Non Croop Took
19-2099.01	Technologists  Remote Sensing Scientists and	Direct all activity associated with implementation, operation, or	Existing Green New & Emerging	N	Non-Green Task
10 2000 01	Remote Sensing Scientists and Technologists	enhancement of remote sensing hardware or software.	Eviating Croop Now & Emarcine	N	Non-Green Task
19-2099.01	reciniologists	emiancement of femote sensing naturate of software.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Remote Sensing Scientists and	Direct installation or testing of new remote sensing hardware or software.			
19-2099.01	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Discuss project goals, equipment requirements, or methodologies with			
19-2099.01	Technologists	colleagues or team members.	Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Format image data to increase its usefulness.			
19-2099.01	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Integrate relevant, available geospatial data sources into projects.			
19-2099.01	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Monitor quality of remote sensing data collection operations to determine			
19-2099.01	Technologists	if procedural or equipment changes are necessary.	Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Organize and maintain geospatial data and associated documentation.			
19-2099.01	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Participate in fieldwork.			
19-2099.01	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Prepare or deliver reports or presentations of geospatial project			
19-2099.01	Technologists	information.	Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Process aerial or satellite imagery to create products such as landcover			
19-2099.01	Technologists	maps.	Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Recommend new remote sensing hardware or software acquisitions.			
19-2099.01	Technologists		Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Scientists and	Set up or maintain remote sensing data collection systems.			
19-2099.01	Technologists		Existing Green New & Emerging	N	Non-Green Task
10 2000 01	Remote Sensing Scientists and	Train technicians in the use of remote sensing technology.			
19-2099.01	Technologists		Existing Green New & Emerging	N	Non-Green Task
10 2000 01	Remote Sensing Scientists and	Apply remote sensing data or techniques to address environmental issues,			
19-2099.01	Technologists	such as surface water modeling or dust cloud detection.	Existing Green New & Emerging	Y	New Green Task
10.2000.01	Remote Sensing Scientists and	Use remote sensing data for forest or carbon tracking activities involved	F : :: 0 N 0 F :		
19-2099.01	Technologists	in assessing the impact of environmental change.	Existing Green New & Emerging	Y	New Green Task
10 2011 01	P	Assess the costs and benefits of various activities, policies, or regulations that affect the environment or natural resource stocks.			
19-3011.01	Environmental Economists		New Green New & Emerging	Y	New Green Task
10 2011 01	E IE	Collect and analyze data to compare the environmental implications of			
19-3011.01	Environmental Economists	economic policy or practice alternatives.	New Green New & Emerging	Y	New Green Task
		Conduct research on economic and environmental topics, such as			
10.2011.01	<b>D</b>	alternative fuel use, public and private land use, soil conservation, air and			
19-3011.01	Environmental Economists	water pollution control, and endangered species protection.	New Green New & Emerging	Y	New Green Task
10.2011.01	B	Conduct research to study the relationships among environmental			
19-3011.01	Environmental Economists	problems and patterns of economic production and consumption.	New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Demonstrate or promote the economic benefits of sound environmental			
19-3011.01	Environmental Economists	regulations.	New Green New & Emerging	Υ	New Green Task
		Develop economic models, forecasts, or scenarios to predict future			
19-3011.01	Environmental Economists	economic and environmental outcomes.	New Green New & Emerging	Υ	New Green Task
		Develop environmental research project plans, including information on			
		budgets, goals, deliverables, timelines, and resource requirements.			
19-3011.01	Environmental Economists		New Green New & Emerging	Υ	New Green Task
		Develop programs or policy recommendations to achieve environmental			
19-3011.01	Environmental Economists	goals in cost-effective ways.	New Green New & Emerging	Υ	New Green Task
		Develop programs or policy recommendations to promote sustainability			
19-3011.01	Environmental Economists	and sustainable development.	New Green New & Emerging	Υ	New Green Task
		Develop systems for collecting, analyzing, and interpreting environmental	1		
19-3011.01	Environmental Economists	and economic data.	New Green New & Emerging	Υ	New Green Task
		Examine the exhaustibility of natural resources or the long-term costs of			
19-3011.01	Environmental Economists	environmental rehabilitation.	New Green New & Emerging	Υ	New Green Task
		Identify and recommend environmentally-friendly business practices.			
19-3011.01	Environmental Economists		New Green New & Emerging	Υ	New Green Task
		Interpret indicators to ascertain the overall health of an environment.			
19-3011.01	Environmental Economists		New Green New & Emerging	Υ	New Green Task
19-3011.01	Environmental Economists	Monitor or analyze market and environmental trends.	New Green New & Emerging	Y	New Green Task
		Perform complex, dynamic, and integrated mathematical modeling of			
19-3011.01	Environmental Economists	ecological, environmental, or economic systems.	New Green New & Emerging	Y	New Green Task
		Prepare and deliver presentations to communicate economic and			
		environmental study results, to present policy recommendations, or to			
19-3011.01	Environmental Economists	raise awareness of environmental consequences.	New Green New & Emerging	Y	New Green Task
		Prepare and deliver presentations to communicate economic and			
		environmental study results, to present policy recommendations, or to			
19-3011.01	Environmental Economists	raise awareness of environmental consequences.	New Green New & Emerging	Y	New Green Task
		Write research proposals and grant applications to obtain private or public			
19-3011.01	Environmental Economists	funding for environmental and economic studies.	New Green New & Emerging	Y	New Green Task
		Write social, legal, or economic impact statements to inform decision-			
		makers for natural resource policies, standards, or programs.			
19-3011.01	Environmental Economists		New Green New & Emerging	Y	New Green Task
		Write technical documents or academic articles to communicate study			
19-3011.01	Environmental Economists	results or economic forecasts.	New Green New & Emerging	Y	New Green Task
		Advise planning officials on project feasibility, cost-effectiveness,			
19-3051.00	Urban and Regional Planners	regulatory conformance, or possible alternatives.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Assess the feasibility of land use proposals and identify necessary			
19-3051.00	Urban and Regional Planners	changes.	Green Enhanced Skills	N	Non-Green Task
		Conduct field investigations, surveys, impact studies, or other research to			
		compile and analyze data on economic, social, regulatory, or physical			
19-3051.00	Urban and Regional Planners	factors affecting land use.	Green Enhanced Skills	N	Non-Green Task
		Coordinate work with economic consultants or architects during the			
		formulation of plans or the design of large pieces of infrastructure.			
19-3051.00	Urban and Regional Planners		Green Enhanced Skills	N	Non-Green Task
		Create, prepare, or requisition graphic or narrative reports on land use			
		data, including land area maps overlaid with geographic variables such as			
19-3051.00	Urban and Regional Planners	population density.	Green Enhanced Skills	N	Non-Green Task
		Design, promote, or administer government plans or policies affecting			
		land use, zoning, public utilities, community facilities, housing, or			
19-3051.00	Urban and Regional Planners	transportation.	Green Enhanced Skills	N	Non-Green Task
		Determine the effects of regulatory limitations on land use projects.			
19-3051.00	Urban and Regional Planners		Green Enhanced Skills	N	Non-Green Task
		Hold public meetings with government officials, social scientists, lawyers			
		developers, the public, or special interest groups to formulate, develop, or	•		
		address issues regarding land use or community plans.			
	Urban and Regional Planners		Green Enhanced Skills	N	Non-Green Task
19-3051.00	Urban and Regional Planners	Investigate property availability for purposes of development.	Green Enhanced Skills	N	Non-Green Task
		Mediate community disputes or assist in developing alternative plans or			
	Urban and Regional Planners	recommendations for programs or projects.	Green Enhanced Skills	N	Non-Green Task
19-3051.00	Urban and Regional Planners	Recommend approval, denial, or conditional approval of proposals.	Green Enhanced Skills	N	Non-Green Task
		Supervise or coordinate the work of urban planning technicians or			
19-3051.00	Urban and Regional Planners	technologists.	Green Enhanced Skills	N	Non-Green Task
		Keep informed about economic or legal issues involved in zoning codes,			
19-3051.00	Urban and Regional Planners	building codes, or environmental regulations.	Green Enhanced Skills	Υ	Existing Green Task
		Review and evaluate environmental impact reports pertaining to private o			
19-3051.00	Urban and Regional Planners	public planning projects or programs.	Green Enhanced Skills	Υ	Existing Green Task
		Discuss with planning officials the purpose of land use projects, such as			
		transportation, conservation, residential, commercial, industrial, or			
19-3051.00	Urban and Regional Planners	community use.	Green Enhanced Skills	Υ	Existing Green Task
		Advocate for sustainability to community groups, government agencies,			
19-3051.00	Urban and Regional Planners	the general public, or special interest groups.	Green Enhanced Skills	Υ	New Green Task
		Develop plans for public or alternative transportation systems for urban or			
		regional locations to reduce carbon output associated with transportation.			
19-3051.00	Urban and Regional Planners		Green Enhanced Skills	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Evaluate proposals for infrastructure projects or other development for			
19-3051.00	Urban and Regional Planners	environmental impact or sustainability.	Green Enhanced Skills	Υ	New Green Task
		Identify opportunities or develop plans for sustainability projects or			
		programs to improve energy efficiency, minimize pollution or waste, or			
19-3051.00	Urban and Regional Planners	restore natural systems.	Green Enhanced Skills	Υ	New Green Task
19-3099.01	Transportation Planners	Analyze information from traffic counting programs.	Existing Green New & Emerging	N	Non-Green Task
		Collaborate with engineers to research, analyze, or resolve complex			
19-3099.01	Transportation Planners	transportation design issues.	Existing Green New & Emerging	N	Non-Green Task
		Define or update information such as urban boundaries or classification of			
19-3099.01	Transportation Planners	roadways.	Existing Green New & Emerging	N	Non-Green Task
		Define regional or local transportation planning problems or priorities.			
19-3099.01	Transportation Planners		Existing Green New & Emerging	N	Non-Green Task
	-	Design new or improved transport infrastructure, such as junction			
		improvements, pedestrian projects, bus facilities, or car parking areas.			
19-3099.01	Transportation Planners		Existing Green New & Emerging	N	Non-Green Task
	Transportation Planners	Design transportation surveys to identify areas of public concern.	Existing Green New & Emerging	N	Non-Green Task
	•	Develop computer models to address transportation planning issues.			
19-3099.01	Transportation Planners		Existing Green New & Emerging	N	Non-Green Task
19-3099.01	Transportation Planners	Develop or test new methods or models of transportation analysis.	Existing Green New & Emerging	N	Non-Green Task
19-3099.01	Transportation Planners	Direct urban traffic counting programs.	Existing Green New & Emerging	N	Non-Green Task
19-3099.01	Transportation Planners	Evaluate transportation project needs or costs.	Existing Green New & Emerging	N	Non-Green Task
		Evaluate transportation-related consequences of federal or state legislative	/e		
19-3099.01	Transportation Planners	proposals.	Existing Green New & Emerging	N	Non-Green Task
		Interpret data from traffic modeling software, geographic information			
19-3099.01	Transportation Planners	systems, or associated databases.	Existing Green New & Emerging	N	Non-Green Task
		Participate in public meetings or hearings to explain planning proposals,			
		to gather feedback from those affected by projects, or to achieve			
19-3099.01	Transportation Planners	consensus on project designs.	Existing Green New & Emerging	N	Non-Green Task
		Prepare necessary documents to obtain planned project approvals or			
19-3099.01	Transportation Planners	permits.	Existing Green New & Emerging	N	Non-Green Task
19-3099.01	Transportation Planners	Prepare or review engineering studies or specifications.	Existing Green New & Emerging	N	Non-Green Task
19-3099.01	Transportation Planners	Prepare reports or recommendations on transportation planning.	Existing Green New & Emerging	N	Non-Green Task
		Recommend transportation system improvements or projects, based on			
19-3099.01	Transportation Planners	economic, population, land-use or traffic projections.	Existing Green New & Emerging	N	Non-Green Task
	-	Represent jurisdictions in the legislative or administrative approval of			
19-3099.01	Transportation Planners	land development projects.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Review development plans for transportation system effects,			
		infrastructure requirements, or compliance with applicable transportation			
19-3099.01	Transportation Planners	regulations.	Existing Green New & Emerging	N	Non-Green Task
		Analyze information related to transportation, such as land use policies,			
		environmental impact of projects, or long-range planning needs.			
19-3099.01	Transportation Planners		Existing Green New & Emerging	Υ	Existing Green Task
		Produce environmental documents, such as environmental assessments or	r		
19-3099.01	Transportation Planners	environmental impact statements.	Existing Green New & Emerging	Υ	Existing Green Task
		Collaborate with other professionals to develop sustainable transportation	n e		
19-3099.01	Transportation Planners	strategies at the local, regional, or national levels.	Existing Green New & Emerging	Υ	New Green Task
	Agricultural Technicians	Collect animals or crop samples.	Green Enhanced Skills	N	Non-Green Task
19-4011.01	Agricultural Technicians	Conduct insect or plant disease surveys.	Green Enhanced Skills	N	Non-Green Task
		Determine the germination rates of seeds planted in specified areas.			
19-4011.01	Agricultural Technicians		Green Enhanced Skills	N	Non-Green Task
		Devise cultural methods or environmental controls for plants for which			
19-4011.01	Agricultural Technicians	guidelines are sketchy or nonexistent.	Green Enhanced Skills	N	Non-Green Task
		Examine animals or crop specimens to determine the presence of diseases	s		
19-4011.01	Agricultural Technicians	or other problems.	Green Enhanced Skills	N	Non-Green Task
		Maintain or repair agricultural facilities, equipment, or tools to ensure			
19-4011.01	Agricultural Technicians	operational readiness, safety, and cleanliness.	Green Enhanced Skills	N	Non-Green Task
19-4011.01	Agricultural Technicians	Measure or weigh ingredients used in laboratory testing.	Green Enhanced Skills	N	Non-Green Task
		Operate farm machinery, including tractors, plows, mowers, combines,			
19-4011.01	Agricultural Technicians	balers, sprayers, earthmoving equipment, or trucks.	Green Enhanced Skills	N	Non-Green Task
		Perform crop production duties, such as tilling, hoeing, pruning, weeding	,		
19-4011.01	Agricultural Technicians	or harvesting crops.	Green Enhanced Skills	N	Non-Green Task
		Perform general nursery duties, such as propagating standard varieties of			
		plant materials, collecting and germinating seeds, maintaining cuttings of	•		
		plants, or controlling environmental conditions.			
19-4011.01	Agricultural Technicians		Green Enhanced Skills	N	Non-Green Task
		Perform laboratory or field testing, using spectrometers, nitrogen			
		determination apparatus, air samplers, centrifuges, or potential hydrogen			
19-4011.01	Agricultural Technicians	(pH) meters to perform tests.	Green Enhanced Skills	N	Non-Green Task
19-4011.01	Agricultural Technicians	Perform tests on seeds to evaluate seed viability.	Green Enhanced Skills	N	Non-Green Task
19-4011.01	Agricultural Technicians	Prepare culture media, following standard procedures.	Green Enhanced Skills	N	Non-Green Task
		Prepare data summaries, reports, or analyses that include results, charts, or	oi e		
19-4011.01	Agricultural Technicians	graphs to document research findings and results.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Prepare laboratory samples for analysis, following proper protocols to			•
		ensure that they will be stored, prepared, and disposed of efficiently and			
19-4011.01	Agricultural Technicians	effectively.	Green Enhanced Skills	N	Non-Green Task
		Prepare land for cultivated crops, orchards, or vineyards by plowing,			
19-4011.01	Agricultural Technicians	discing, leveling, or contouring.	Green Enhanced Skills	N	Non-Green Task
19-4011.01	Agricultural Technicians	Prepare or present agricultural demonstrations.	Green Enhanced Skills	N	Non-Green Task
		Record data pertaining to experimentation, research, or animal care.			
19-4011.01	Agricultural Technicians		Green Enhanced Skills	N	Non-Green Task
19-4011.01	Agricultural Technicians	Respond to general inquiries and requests from the public.	Green Enhanced Skills	N	Non-Green Task
19-4011.01	Agricultural Technicians	Set up laboratory or field equipment as required for site testing.	Green Enhanced Skills	N	Non-Green Task
19-4011.01	Agricultural Technicians	Supervise or train agricultural technicians or farm laborers.	Green Enhanced Skills	N	Non-Green Task
		Supervise pest or weed control operations, including locating and			
		identifying pests or weeds, selecting chemicals and application methods,			
19-4011.01	Agricultural Technicians	or scheduling application.	Green Enhanced Skills	N	Non-Green Task
	Agricultural Technicians	Transplant trees, vegetables, or horticultural plants.	Green Enhanced Skills	N	Non-Green Task
		Assess comparative soil erosion from various planting or tillage systems,			
		such as conservation tillage with mulch or ridge till systems, no-till			
		systems, or conventional tillage systems with or without moldboard			
19-4011.01	Agricultural Technicians	plows.	Green Enhanced Skills	Y	New Green Task
		Conduct studies of nitrogen or alternative fertilizer application methods,			
		quantities, or timing to ensure satisfaction of crop needs and minimization	1		
19-4011.01	Agricultural Technicians	of leaching, runoff, or denitrification.	Green Enhanced Skills	Y	New Green Task
	0	Record environmental data from field samples of soil, air, water, or pests		-	
		to monitor the effectiveness of integrated pest management (IPM)			
19-4011.01	Agricultural Technicians	practices.	Green Enhanced Skills	Υ	New Green Task
		Assemble, maintain, or distribute information for library or record			
19-4041.01	Geophysical Data Technicians	systems.	Green Enhanced Skills	N	Non-Green Task
	Geophysical Data Technicians	Collect samples or cuttings, using equipment or hand tools.	Green Enhanced Skills	N	Non-Green Task
	1 3	Compile information or data from reports for geological or geophysical			
19-4041.01	Geophysical Data Technicians	prospecting.	Green Enhanced Skills	N	Non-Green Task
	1 3	Create packing materials or handling procedures for shipping of objects.			
19-4041.01	Geophysical Data Technicians		Green Enhanced Skills	N	Non-Green Task
	Geophysical Data Technicians	Create photographic recordings of information, using equipment.	Green Enhanced Skills	N	Non-Green Task
	<u> </u>	Diagnose or repair malfunctioning instruments or equipment, using			
19-4041.01	Geophysical Data Technicians	manufacturers' manuals and hand tools.	Green Enhanced Skills	N	Non-Green Task
	Geophysical Data Technicians	Evaluate and interpret seismic data with the aid of computers.	Green Enhanced Skills	N	Non-Green Task
	The state of the s	Evaluate core sample cuttings or other geological data used in prospecting			
10 4041 01	Geophysical Data Technicians	for oil or gas.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Measure geological characteristics used in prospecting for oil or gas.			
19-4041.01	Geophysical Data Technicians		Green Enhanced Skills	N	Non-Green Task
		Operate or adjust equipment or apparatus used to obtain geological data.			
19-4041.01	Geophysical Data Technicians		Green Enhanced Skills	N	Non-Green Task
	Geophysical Data Technicians	Prepare notes, sketches, geological maps, or cross-sections.	Green Enhanced Skills	N	Non-Green Task
19-4041.01	Geophysical Data Technicians	Prepare packing instructions for shipping containers.	Green Enhanced Skills	N	Non-Green Task
19-4041.01	Geophysical Data Technicians	Record geological data in a database.	Green Enhanced Skills	N	Non-Green Task
19-4041.01	Geophysical Data Technicians	Record or compile data used in prospecting for oil or gas.	Green Enhanced Skills	N	Non-Green Task
19-4041.01	Geophysical Data Technicians	Research public databases to obtain relevant information.	Green Enhanced Skills	N	Non-Green Task
	1 3	Set up or direct set-up of instruments used to collect geological data.			
19-4041.01	Geophysical Data Technicians		Green Enhanced Skills	N	Non-Green Task
19-4041.01	Geophysical Data Technicians	Supervise activities of workers operating equipment to collect data.	Green Enhanced Skills	N	Non-Green Task
	Geophysical Data Technicians	Supervise oil, water, or gas well-drilling activities.	Green Enhanced Skills	N	Non-Green Task
	1 7	Apply new technologies, such as improved seismic imaging techniques, to	d		
19-4041.01	Geophysical Data Technicians	locate untapped oil or natural gas deposits.	Green Enhanced Skills	Y	New Green Task
	The part of the pa	Collect data on underground areas, such as reservoirs, that could be used		-	
19-4041.01	Geophysical Data Technicians	in carbon sequestration operations.	Green Enhanced Skills	Y	New Green Task
-, ,,,,,,,,,	Cropus and Cross	Collect geological data from potential geothermal energy plant sites.			TON CIGOTI FOR
19-4041.01	Geophysical Data Technicians		Green Enhanced Skills	Y	New Green Task
1, 1011101	Scopinysical Bala Technicians	Compile data used to address environmental issues, such as the suitability			Tron Groon rack
19-4041 01	Geophysical Data Technicians	of potential landfill sites.	Green Enhanced Skills	Y	New Green Task
17 4041.01	Geophysical Bata Technicians	Conduct geophysical surveys of potential sites for wind farms or solar	Green Enhanced Okins	'	New Orcen rask
19-4041 01	Geophysical Data Technicians	installations to determine their suitability.	Green Enhanced Skills	Y	New Green Task
17-4041.01	Geophysical Data Technicians	Participate in geological, geophysical, geochemical, hydrographic, or	Oreen Enhanced Okins		New Green rask
	Geological Sample Test	oceanographic surveys, prospecting field trips, exploratory drilling, well			
10 4041 02	Technicians	logging, or underground mine survey programs.	Green Enhanced Skills	N	Non-Green Task
17-4041.02	Geological Sample Test	Adjust or repair testing, electrical, or mechanical equipment or devices.	Green Ennanced Skills	IN	Non-Green rask
10 4041 02	Technicians	Adjust of repair testing, electrical, of incentaineal equipment of devices.	Green Enhanced Skills	N	Non-Green Task
19-4041.02	Geological Sample Test	Assemble, operate, or maintain field or laboratory testing, measuring, or	Green Enhanced Skills	IN	Non-Green rask
10 4041 02	Technicians	mechanical equipment.	Green Enhanced Skills	N	Non Croon Took
19-4041.02		Collaborate with hydrogeologists to evaluate groundwater or well	Green Ennanced Skills	IN	Non-Green Task
10 4041 02	Geological Sample Test Technicians	circulation.	Crean Enhanced Chille	N.	Non Cross Tools
19-4041.02			Green Enhanced Skills	N	Non-Green Task
10 4041 02	Geological Sample Test	Collect or prepare solid or fluid samples for analysis.	Crear Enhanced Chille	N	Non Cross Tools
19-4041.02	Technicians  Contactorian Security Test	Commile log on accord tooting on according 1 data for accident 15, 4	Green Enhanced Skills	N	Non-Green Task
10 4041 00	Geological Sample Test	Compile, log, or record testing or operational data for review and further	Crean Enhanced Oldus		Non Orean Table
19-4041.02	Technicians	analysis.	Green Enhanced Skills	N	Non-Green Task
10 4041 03	Geological Sample Test	Inspect engines for wear or defective parts, using equipment or measuring			New Owner T
19-4041.02	Technicians	devices.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Geological Sample Test	Participate in the evaluation of possible mining locations.			
19-4041.02	Technicians		Green Enhanced Skills	N	Non-Green Task
	Geological Sample Test	Plot information from aerial photographs, well logs, section descriptions,			
19-4041.02	Technicians	or other databases.	Green Enhanced Skills	N	Non-Green Task
	Geological Sample Test	Prepare notes, sketches, geological maps, or cross sections.			
19-4041.02	Technicians		Green Enhanced Skills	N	Non-Green Task
	Geological Sample Test	Prepare or review professional, technical, or other reports regarding			
19-4041.02	Technicians	sampling, testing, or recommendations of data analysis.	Green Enhanced Skills	N	Non-Green Task
	Geological Sample Test	Prepare, transcribe, or analyze seismic, gravimetric, well log, or other			
19-4041.02	Technicians	geophysical or survey data.	Green Enhanced Skills	N	Non-Green Task
	Geological Sample Test	Supervise well exploration, drilling activities, or well completions.			
19-4041.02	Technicians		Green Enhanced Skills	N	Non-Green Task
	Geological Sample Test	Test and analyze samples to determine their content and characteristics,			
19-4041.02	Technicians	using laboratory apparatus or testing equipment.	Green Enhanced Skills	N	Non-Green Task
	Geological Sample Test	Assess the environmental impacts of development projects on subsurface			
19-4041.02	Technicians	materials.	Green Enhanced Skills	Υ	Existing Green Task
	Geological Sample Test	Participate in the evaluation of possible geothermal energy plant			
19-4041.02	Technicians	locations.	Green Enhanced Skills	Υ	New Green Task
	Geological Sample Test	Test and analyze samples from potential underground carbon			
19-4041.02	Technicians	sequestration sites.	Green Enhanced Skills	Y	New Green Task
		Adjust controls of equipment to control particle beam movement, pulse			
	Nuclear Equipment Operation	rates, energy or intensity, or radiation, according to specifications.			
19-4051.01	Technicians		Green Enhanced Skills	N	Non-Green Task
	Nuclear Equipment Operation	Apply safety tags to equipment needing maintenance.			
19-4051.01	Technicians		Green Enhanced Skills	N	Non-Green Task
		Calculate equipment operating factors, such as radiation times, dosages,			
	Nuclear Equipment Operation	temperatures, gamma intensities, or pressures, using standard formulas			
19-4051.01	Technicians	and conversion tables.	Green Enhanced Skills	N	Non-Green Task
		Communicate with accelerator maintenance personnel to ensure readiness			
	Nuclear Equipment Operation	of support systems, such as vacuum, water cooling, or radio frequency			
19-4051.01	Technicians	power sources.	Green Enhanced Skills	N	Non-Green Task
	Nuclear Equipment Operation	Conduct surveillance testing to determine safety of nuclear equipment.			
19-4051.01	Technicians		Green Enhanced Skills	N	Non-Green Task
	Nuclear Equipment Operation	Modify, devise, or maintain nuclear equipment used in operations.			
19-4051.01	Technicians		Green Enhanced Skills	N	Non-Green Task
	Nuclear Equipment Operation	Monitor instruments, gauges, or recording devices under direction of			
19-4051.01	Technicians	nuclear experimenters.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	<b>Type of Green Task</b>
	Nuclear Equipment Operation	Perform testing, maintenance, repair, or upgrading of accelerator systems			
19-4051.01	Technicians		Green Enhanced Skills	N	Non-Green Task
	Nuclear Equipment Operation	Set control panel switches to route electric power from sources and direct			
19-4051.01	Technicians	particle beams through injector units.	Green Enhanced Skills	N	Non-Green Task
	Nuclear Equipment Operation	Submit computations to supervisors for review.			
19-4051.01	Technicians		Green Enhanced Skills	N	Non-Green Task
10 4051 01	Nuclear Equipment Operation	Test plant equipment to ensure it is operating properly.			
19-4051.01	Technicians		Green Enhanced Skills	N	Non-Green Task
10 4051 01	Nuclear Equipment Operation	Warn maintenance workers of radiation hazards and direct workers to vacate hazardous areas.	One of Fahana d Olilla		New Owen Teels
19-4051.01	Technicians		Green Enhanced Skills	N	Non-Green Task
	Need and Empirement On anti-	Operate nuclear equipment in accordance with policies and procedures to protect workers from radiation and to ensure environmental safety.			
10 4051 01	Nuclear Equipment Operation Technicians	protect workers from radiation and to ensure environmental safety.	Green Enhanced Skills	Y	Eviating Croop Took
17-4031.01	Technicians	Collect air, water, gas or solid samples for testing to determine	Green Ennanced Skills	· ·	Existing Green Task
	Nuclear Equipment Operation	radioactivity levels or to ensure appropriate radioactive containment.			
19-4051.01	Technicians	and the second of the endere appropriate randometric communication	Green Enhanced Skills	Y	New Green Task
17 1001101		Decontaminate objects by cleaning them using soap or solvents or by	Green Ermaneed Grand	•	Troil Groom rack
	Nuclear Equipment Operation	abrading using brushes, buffing machines, or sandblasting machines.			
19-4051.01	Technicians		Green Enhanced Skills	Υ	New Green Task
	Nuclear Equipment Operation	Diagnose routine problems affecting accelerator performance.			
19-4051.01	Technicians		Green Enhanced Skills	Y	New Green Task
		Identify and implement appropriate decontamination procedures, based or	n		
	Nuclear Equipment Operation	equipment and the size, nature, and type of contamination.			
19-4051.01	Technicians		Green Enhanced Skills	Y	New Green Task
		Measure the intensity and identify the types of radiation in work areas,			
	Nuclear Equipment Operation	equipment, or materials, using radiation detectors or other instruments.			
19-4051.01	Technicians		Green Enhanced Skills	Y	New Green Task
		Monitor nuclear reactor equipment performance to identify operational			
10 10 10 1	Nuclear Equipment Operation	inefficiencies, hazards, or needs for maintenance or repair.			
19-4051.01	Technicians		Green Enhanced Skills	Y	New Green Task
	W 1 F :	Prepare reports to communicate information such as contamination test results, decontamination results, or decontamination procedures.			
10 4051 01	Nuclear Equipment Operation Technicians	results, decontamination results, of decontamination procedures.	Cross Enhanced Skills	Y	Now Croon Took
19-4031.01	Environmental Science and	Calculate amount of pollutant in samples or compute air pollution or gas	Green Enhanced Skills	Y	New Green Task
	Protection Technicians, Including	flow in industrial processes, using chemical and mathematical formulas.			
19-4091.00		in in managerial processes, using chemical and maniematical formulas.	Green Enhanced Skills	Y	Existing Green Task
17-4071.00	Ticaiui		Green Elinanced Skills	I	LAISHING GIEETI TASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
19-4091.00	Environmental Science and Protection Technicians, Including	Collect samples of gases, soils, water, industrial wastewater, or asbestos products to conduct tests on pollutant levels or identify sources of pollution.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and Protection Technicians, Including	Determine amounts and kinds of chemicals to use in destroying harmful organisms or removing impurities from purification systems.	Green Ennanceu Skiiis	I	Existing Green Task
19-4091.00			Green Enhanced Skills	Y	Existing Green Task
19-4091.00	Environmental Science and Protection Technicians, Including Health	Develop or implement programs for monitoring of environmental pollution or radiation.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and Protection Technicians, Including	Distribute permits, closure plans, or cleanup plans.	Green Emiliancea Grins		Existing Green Task
19-4091.00	Health		Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and Protection Technicians, Including	Examine and analyze material for presence and concentration of contaminants, such as asbestos, using variety of microscopes.			
19-4091.00		Initiate procedures to close down or fine establishments violating	Green Enhanced Skills	Y	Existing Green Task
19-4091.00	Environmental Science and Protection Technicians, Including	environmental or health regulations.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and Protection Technicians, Including	Maintain files, such as hazardous waste databases, chemical usage data, personnel exposure information, or diagrams showing equipment locations.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and Protection Technicians, Including	Perform statistical analysis of environmental data.			
	Environmental Science and Protection Technicians, Including	Provide information or technical or program assistance to government representatives, employers, or the general public on the issues of public health, environmental protection, or workplace safety.	Green Enhanced Skills  Green Enhanced Skills	Y	Existing Green Task  Existing Green Task
	Environmental Science and Protection Technicians, Including	Record test data and prepare reports, summaries, or charts that interpret test results.			
19-4091.00	Health Environmental Science and	Set up equipment or stations to monitor and collect pollutants from sites,	Green Enhanced Skills	Y	Existing Green Task
19-4091.00	Protection Technicians, Including Health	such as smoke stacks, manufacturing plants, or mechanical equipment.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and Protection Technicians, Including	Weigh, analyze, or measure collected sample particles, such as lead, coal dust, or rock to determine concentration of pollutants.			
19-4091.00			Green Enhanced Skills	Y	Existing Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Environmental Science and	Calibrate microscopes or test instruments.			
	Protection Technicians, Including				
19-4091.00			Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and	Conduct standardized tests to ensure materials or supplies used			
	Protection Technicians, Including	throughout power supply systems meet processing and safety specifications.	0 5 1 101 11		- · · · · · · · · · · · · · · · · · · ·
19-4091.00		Develop testing procedures.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and Protection Technicians, Including	Develop testing procedures.			
19-4091.00			Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and	Direct activities of workers in laboratory.	Green Emilianeed Grins	'	Existing Green rask
	Protection Technicians, Including				
19-4091.00			Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and	Discuss test results and analyses with customers.			
	Protection Technicians, Including				
19-4091.00	Health		Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and	Inspect sanitary conditions at public facilities.			
	Protection Technicians, Including				
19-4091.00			Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and	Inspect workplaces to ensure the absence of health and safety hazards, such as high noise levels, radiation, or potential lighting hazards.			
19-4091.00	Protection Technicians, Including	such as high hoise levels, fadiation, of potential fighting hazards.	Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and	Investigate hazardous conditions or spills or outbreaks of disease or food	Green Ennanced Skills	1	Existing Green Task
	Protection Technicians, Including	poisoning, collecting samples for analysis.			
19-4091.00		,	Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and	Make recommendations to control or eliminate unsafe conditions at			
	Protection Technicians, Including	workplaces or public facilities.			
19-4091.00	Health		Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and	Prepare samples or photomicrographs for testing and analysis.			
	Protection Technicians, Including				
19-4091.00			Green Enhanced Skills	Y	Existing Green Task
	Environmental Science and	Analyze potential environmental impacts of production process changes			
	Protection Technicians, Including	and recommend steps to mitigate negative impacts.	0 5 1 101 11		
19-4091.00		Develop or implement site recycling or hazardous waste stream programs	Green Enhanced Skills	Y	New Green Task
	Environmental Science and Protection Technicians, Including	Develop of implement site recycling of nazardous waste stream programs	· ·		
19-4091.00	<del>-</del>		Green Enhanced Skills	Υ	New Green Task
17-4071.00	1 ICAIUI	1	OTECH ETHIANCEU SKIIIS	Ī	INEW GIEER LASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Environmental Science and	Monitor emission control devices to ensure they are operating properly			
	Protection Technicians, Including	and are in compliance with state and federal regulations.			
19-4091.00	Health		Green Enhanced Skills	Υ	New Green Task
		Analyze data from harvester monitors to develop yield maps.			
19-4099.02	Precision Agriculture Technicians		Existing Green New & Emerging	N	Non-Green Task
		Collect information about soil or field attributes, yield data, or field			
		boundaries, using field data recorders and basic geographic information			
19-4099.02	Precision Agriculture Technicians	systems (GIS).	Existing Green New & Emerging	N	Non-Green Task
		Compare crop yield maps with maps of soil test data, chemical application			
		patterns, or other information to develop site-specific crop management			
19-4099.02	Precision Agriculture Technicians	plans.	Existing Green New & Emerging	N	Non-Green Task
		Contact equipment manufacturers for technical assistance, as needed.			
19-4099.02	Precision Agriculture Technicians	T 1	Existing Green New & Emerging	N	Non-Green Task
		Create, layer, and analyze maps showing precision agricultural data, such			Tron Groon radio
		as crop yields, soil characteristics, input applications, terrain, drainage			
19-4099.02	Precision Agriculture Technicians	patterns, or field management history.	Existing Green New & Emerging	N	Non-Green Task
15 .055.02		Demonstrate the applications of geospatial technology, such as Global	Existing Green New & Emerging		Tron Groon rack
		Positioning System (GPS), geographic information systems (GIS),			
		automatic tractor guidance systems, variable rate chemical input			
		applicators, surveying equipment, or computer mapping software.			
19 4099 02	Precision Agriculture Technicians		Existing Green New & Emerging	N	Non-Green Task
19-4099.02	riecision Agriculture reclinicians	Divide agricultural fields into georeferenced zones, based on soil	Existing Green New & Emerging	IN	Non-Green Task
10 4000 02	Precision Agriculture Technicians	characteristics and production potentials.	Existing Green New & Emerging	N	Non-Green Task
19-4099.02	Frecision Agriculture reclinicians	Document and maintain records of precision agriculture information.	Existing Green New & Emerging	IN	Non-Green Task
10, 4000, 02	Descricion Acmientamo Tachminione	Document and maintain records of precision agriculture information.	Frieting Cooper Nov. 9 Francisco	N.	Nan Casas Task
19-4099.02	Precision Agriculture Technicians		Existing Green New & Emerging	N	Non-Green Task
10, 4000, 02	D A . L . T 1	Draw or read maps, such as soil, contour, or plat maps.	F : :: 0 N 0 F :		
19-4099.02	Precision Agriculture Technicians		Existing Green New & Emerging	N	Non-Green Task
		Identify areas in need of pesticide treatment by analyzing geospatial data			
10 1000 00		to determine insect movement and damage patterns.			
19-4099.02	Precision Agriculture Technicians		Existing Green New & Emerging	N	Non-Green Task
		Identify spatial coordinates, using remote sensing and Global Positioning			
19-4099.02	Precision Agriculture Technicians	System (GPS) data.	Existing Green New & Emerging	N	Non-Green Task
		Install, calibrate, or maintain sensors, mechanical controls, GPS-based			
19-4099.02	Precision Agriculture Technicians	vehicle guidance systems, or computer settings.	Existing Green New & Emerging	N	Non-Green Task
		Prepare reports in graphical or tabular form, summarizing field			
19-4099.02	Precision Agriculture Technicians	productivity or profitability.	Existing Green New & Emerging	N	Non-Green Task
		Recommend best crop varieties or seeding rates for specific field areas,			
19-4099.02	Precision Agriculture Technicians	based on analysis of geospatial data.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Use geospatial technology to develop soil sampling grids or identify			
		sampling sites for testing characteristics such as nitrogen, phosphorus, or			
19-4099.02	Precision Agriculture Technicians	potassium content, pH, or micronutrients.	Existing Green New & Emerging	N	Non-Green Task
		Analyze geospatial data to determine agricultural implications of factors			
		such as soil quality, terrain, field productivity, fertilizers, or weather			
19-4099.02	Precision Agriculture Technicians	conditions.	Existing Green New & Emerging	Υ	Existing Green Task
		Analyze remote sensing imagery to identify relationships between soil			
		quality, crop canopy densities, light reflectance, and weather history.			
19-4099.02	Precision Agriculture Technicians		Existing Green New & Emerging	Υ	Existing Green Task
		Program farm equipment, such as variable-rate planting equipment or			
		pesticide sprayers, based on input from crop scouting and analysis of field	1		
19-4099.02	Precision Agriculture Technicians	condition variability.	Existing Green New & Emerging	Υ	Existing Green Task
		Advise farmers on upgrading Global Positioning System (GPS)			
		equipment to take advantage of newly installed advanced satellite			
19-4099.02	Precision Agriculture Technicians	technology.	Existing Green New & Emerging	Υ	New Green Task
		Apply precision agriculture information to specifically reduce the			
19-4099.02	Precision Agriculture Technicians	negative environmental impacts of farming practices.	Existing Green New & Emerging	Υ	New Green Task
		Participate in efforts to advance precision agriculture technology, such as			
		developing advanced weed identification or automated spot spraying			
19-4099.02	Precision Agriculture Technicians	systems.	Existing Green New & Emerging	Υ	New Green Task
		Provide advice on the development or application of better boomspray			
		technology to limit the overapplication of chemicals and to reduce the			
		migration of chemicals to areas other than the fields being treated.			
19-4099.02	Precision Agriculture Technicians		Existing Green New & Emerging	Υ	New Green Task
		Adjust remotely sensed images for optimum presentation by using			
		software to select image displays, define image set categories, or choose			
19-4099.03	Remote Sensing Technicians	processing routines.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03	Remote Sensing Technicians	Calibrate remote sensing data collection equipment.	Existing Green New & Emerging	N	Non-Green Task
		Collect geospatial data, using technologies such as aerial photography,			
		light and radio wave detection systems, digital satellites, or thermal energy			
19-4099.03	Remote Sensing Technicians	systems.	Existing Green New & Emerging	N	Non-Green Task
		Collect verification data on the ground, using equipment such as global			
		positioning receivers, digital cameras, or notebook computers.			
19-4099.03	Remote Sensing Technicians		Existing Green New & Emerging	N	Non-Green Task
		Consult with remote sensing scientists, surveyors, cartographers, or			
19-4099.03	Remote Sensing Technicians	engineers to determine project needs.	Existing Green New & Emerging	N	Non-Green Task
		Correct raw data for errors due to factors such as skew or atmospheric			
19-4099.03	Remote Sensing Technicians	variation.	Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
19-4099.03 R	Remote Sensing Technicians	Develop or maintain geospatial information databases.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Develop specialized computer software routines to customize and integrate image analysis.	Existing Green New & Emerging	N	Non-Green Task
		Evaluate remote sensing project requirements to determine the types of equipment or computer software necessary to meet project requirements, such as specific image types or output resolutions.			
19-4099.03 R	Remote Sensing Technicians		Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Integrate remotely sensed data with other geospatial data.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Maintain records of survey data.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Manipulate raw data to enhance interpretation on the ground or during remote sensing flights.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Merge scanned images or build photo mosaics of large areas, using image processing software.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Monitor raw data quality during collection and make equipment corrections as necessary.	Existing Green New & Emerging	N	Non-Green Task
	Remote Sensing Technicians	Operate airborne remote sensing equipment, such as survey cameras, sensors, or scanners.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Participate in the planning or development of mapping projects.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Prepare documentation or presentations, including charts, photos, or graphs.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Verify integrity and accuracy of data contained in remote sensing image analysis systems.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Write technical reports documenting remote sensing information collected.	Existing Green New & Emerging	N	Non-Green Task
19-4099.03 R	Remote Sensing Technicians	Collaborate with agricultural workers to apply remote sensing information to efforts to reduce negative environmental impacts of farming practices.	Existing Green New & Emerging	Y	New Green Task
19-4099.03 R	Remote Sensing Technicians	Collect remote sensing data for forest or carbon tracking activities involved in assessing the impact of environmental change.	Existing Green New & Emerging	Y	New Green Task
19-4099.03 R	Remote Sensing Technicians	Provide remote sensing data for use in addressing environmental issues, such as surface water modeling or dust cloud detection.	Existing Green New & Emerging	Υ	New Green Task
23-1022.00 C	Arbitrators, Mediators, and Conciliators	Appeal rights of claimants denied claims.	Green Enhanced Skills	N	Non-Green Task
23-1022.00 C	Arbitrators, Mediators, and Conciliators	Apply relevant laws, regulations, policies, or precedents to reach conclusions.	Green Enhanced Skills	N	Non-Green Task
23-1022.00 C	Arbitrators, Mediators, and Conciliators	Authorize payment of valid claims.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Arbitrators, Mediators, and	Conduct hearings to obtain information or evidence relative to disposition			
23-1022.00	Conciliators	of claims.	Green Enhanced Skills	N	Non-Green Task
		Conduct initial meetings with disputants to outline the arbitration process,			
	Arbitrators, Mediators, and	settle procedural matters such as fees, or determine details such as witness			
23-1022.00	Conciliators	numbers or time requirements.	Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Conduct studies of appeals procedures to ensure adherence to legal			
23-1022.00	Conciliators	requirements or to facilitate disposition of cases.	Green Enhanced Skills	N	Non-Green Task
		Confer with disputants to clarify issues, identify underlying concerns, and			
	Arbitrators, Mediators, and	develop an understanding of their respective needs and interests.			
23-1022.00	Conciliators		Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Determine extent of liability according to evidence, laws, or			
23-1022.00	Conciliators	administrative or judicial precedents.	Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Evaluate information from documents such as claim applications, birth or			
23-1022.00	Conciliators	death certificates, or physician or employer records.	Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Interview claimants, agents, or witnesses to obtain information about			
23-1022.00	Conciliators	disputed issues.	Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Issue subpoenas or administer oaths to prepare for formal hearings.			
23-1022.00	Conciliators		Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Organize or deliver public presentations about mediation to organizations			
23-1022.00	Conciliators	such as community agencies or schools.	Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Participate in court proceedings.			
23-1022.00	Conciliators		Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Prepare settlement agreements for disputants to sign.			
23-1022.00	Conciliators		Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Prepare written opinions or decisions regarding cases.			
23-1022.00	Conciliators		Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Recommend acceptance or rejection of compromise settlement offers.			
23-1022.00	Conciliators		Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Research laws, regulations, policies, or precedent decisions to prepare for			
23-1022.00	Conciliators	hearings.	Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Rule on exceptions, motions, or admissibility of evidence.			
23-1022.00	Conciliators		Green Enhanced Skills	N	Non-Green Task
	Arbitrators, Mediators, and	Set up appointments for parties to meet for mediation.			
23-1022.00	Conciliators		Green Enhanced Skills	N	Non-Green Task
		Use mediation techniques to facilitate communication between disputants	,		
	Arbitrators, Mediators, and	to further parties' understanding of different perspectives, and to guide			
23-1022.00	Conciliators	parties toward mutual agreement.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Specialize in the negotiation and resolution of environmental conflicts			
	Arbitrators, Mediators, and	involving issues such as natural resource allocation or regional			
23-1022.00	Conciliators	development planning.	Green Enhanced Skills	Y	New Green Task
		Research and report on specialized fields such as medicine, science and			
		technology, politics, foreign affairs, sports, arts, consumer affairs,			
27-3022.00	Reporters and Correspondents	business, religion, crime, or education.	Green Enhanced Skills	N	Non-Green Task
		Arrange interviews with people who can provide information about a			
27-3022.00	Reporters and Correspondents	story.	Green Enhanced Skills	N	Non-Green Task
27-3022.00	Reporters and Correspondents	Assign stories to other reporters or duties to production staff.	Green Enhanced Skills	N	Non-Green Task
		Check reference materials, such as books, news files, or public records, to			
27-3022.00	Reporters and Correspondents	obtain relevant facts.	Green Enhanced Skills	N	Non-Green Task
		Communicate with readers, viewers, advertisers, or the general public via			
27-3022.00	Reporters and Correspondents	mail, email, or telephone.	Green Enhanced Skills	N	Non-Green Task
27-3022.00	Reporters and Correspondents	Conduct taped or filmed interviews or narratives.	Green Enhanced Skills	N	Non-Green Task
		Determine a published or broadcasted story's emphasis, length, and forma			
27-3022.00	Reporters and Correspondents	and organize material accordingly.	Green Enhanced Skills	N	Non-Green Task
		Develop ideas or material for columns or commentaries by analyzing and			
		interpreting news, current issues, or personal experiences.			
27-3022.00	Reporters and Correspondents		Green Enhanced Skills	N	Non-Green Task
27-3022.00	Reporters and Correspondents	Discuss issues with editors to establish priorities or positions.	Green Enhanced Skills	N	Non-Green Task
27-3022.00	Reporters and Correspondents	Edit or assist in editing videos for broadcast.	Green Enhanced Skills	N	Non-Green Task
		Establish and maintain relationships with individuals who are credible			
27-3022.00	Reporters and Correspondents	sources of information.	Green Enhanced Skills	N	Non-Green Task
		Gather information about events through research, interviews, experience	,		
		or attendance at political, news, sports, artistic, social, or other functions.			
27-3022.00	Reporters and Correspondents		Green Enhanced Skills	N	Non-Green Task
		Investigate breaking news developments, such as disasters, crimes, or			
27-3022.00	Reporters and Correspondents	human-interest stories.	Green Enhanced Skills	N	Non-Green Task
		Participate in community events, make public appearances, or conduct			
27-3022.00	Reporters and Correspondents	community service.	Green Enhanced Skills	N	Non-Green Task
	Reporters and Correspondents	Photograph or videotape news events.	Green Enhanced Skills	N	Non-Green Task
	Reporters and Correspondents	Present live or recorded commentary via broadcast media.	Green Enhanced Skills	N	Non-Green Task
	1	Receive assignments or evaluate leads or tips to develop story ideas.			
27-3022.00	Reporters and Correspondents		Green Enhanced Skills	N	Non-Green Task
	1	Report news stories for publication or broadcast, describing the			
27-3022.00	Reporters and Correspondents	background and details of events.	Green Enhanced Skills	N	Non-Green Task
		Research a story's background information to provide complete and			
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O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Review and evaluate notes taken about news events to isolate pertinent			
27-3022.00	Reporters and Correspondents	facts and details.	Green Enhanced Skills	N	Non-Green Task
		Review written, audio, or video copy and correct errors in content,			
		grammar, or punctuation, following prescribed editorial style and			
27-3022.00	Reporters and Correspondents	formatting guidelines.	Green Enhanced Skills	N	Non-Green Task
		Revise work to meet editorial approval or to fit time or space			
	Reporters and Correspondents	requirements.	Green Enhanced Skills	N	Non-Green Task
27-3022.00	Reporters and Correspondents	Take pictures or video and process them for inclusion in a story.	Green Enhanced Skills	N	Non-Green Task
		Transmit news stories or reporting information from remote locations,			
		using equipment such as satellite phones, telephones, fax machines, or			
27-3022.00	Reporters and Correspondents	modems.	Green Enhanced Skills	N	Non-Green Task
		Write columns, editorials, commentaries, or reviews that interpret events			
27-3022.00	Reporters and Correspondents	or offer opinions.	Green Enhanced Skills	N	Non-Green Task
		Write online blog entries that address news developments or offer			
27-3022.00	Reporters and Correspondents	additional information, opinions, or commentary on news events.	Green Enhanced Skills	N	Non-Green Task
		Write reviews of literary, musical, or other artwork, based on knowledge,			
27-3022.00	Reporters and Correspondents	judgment, or experience.	Green Enhanced Skills	N	Non-Green Task
		Report on green technology or environmental issues, such as pollution,			
27-3022.00	Reporters and Correspondents	energy effiency, recycling, or renewable energy.	Green Enhanced Skills	Y	New Green Task
		Arrange public appearances, lectures, contests, or exhibits for clients to			
		increase product or service awareness or to promote goodwill.			
27-3031.00	Public Relations Specialists		Green Enhanced Skills	N	Non-Green Task
		Coach client representatives in effective communication with the public			
27-3031.00	Public Relations Specialists	or with employees.	Green Enhanced Skills	N	Non-Green Task
		Confer with other managers to identify trends or key group interests or			
27-3031.00	Public Relations Specialists	concerns or to provide advice on business decisions.	Green Enhanced Skills	N	Non-Green Task
		Confer with production or support personnel to produce or coordinate			
27-3031.00	Public Relations Specialists	production of advertisements or promotions.	Green Enhanced Skills	N	Non-Green Task
		Consult with advertising agencies or staff to arrange promotional			
		campaigns in all types of media for products, organizations, or			
27-3031.00	Public Relations Specialists	individuals.	Green Enhanced Skills	N	Non-Green Task
		Establish or maintain cooperative relationships with representatives of			
27-3031.00	Public Relations Specialists	community, consumer, employee, or public interest groups.	Green Enhanced Skills	N	Non-Green Task
		Plan or conduct market or public opinion research to test products or			
		determine potential for product success, communicating results to client			
27-3031.00	Public Relations Specialists	or management.	Green Enhanced Skills	N	Non-Green Task
27-3031.00	Public Relations Specialists	Prepare or deliver speeches to further public relations objectives.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Prepare or edit organizational publications, such as employee newsletters			
		or stockholders' reports, for internal or external audiences.			
27-3031.00	Public Relations Specialists		Green Enhanced Skills	N	Non-Green Task
		Purchase advertising space or time as required to promote client's product			
27-3031.00	Public Relations Specialists	or agenda.	Green Enhanced Skills	N	Non-Green Task
		Respond to requests for information from the media or designate an			
27-3031.00	Public Relations Specialists	appropriate spokesperson or information source.	Green Enhanced Skills	N	Non-Green Task
		Study the objectives, promotional policies, or needs of organizations to			
		develop public relations strategies that will influence public opinion or			
27-3031.00	Public Relations Specialists	promote ideas, products, or services.	Green Enhanced Skills	N	Non-Green Task
27-3031.00	Public Relations Specialists	Update and maintain content posted on the Web.	Green Enhanced Skills	N	Non-Green Task
		Write press releases or other media communications to promote clients.			
27-3031.00	Public Relations Specialists		Green Enhanced Skills	N	Non-Green Task
		Plan or direct development or communication of programs to maintain			
		favorable public or stockholder perceptions of an organization's			
		accomplishments, agenda, or environmental responsibility.			
27-3031.00	Public Relations Specialists		Green Enhanced Skills	Y	Existing Green Task
		Coordinate public responses to environmental management incidents or			
27-3031.00	Public Relations Specialists	conflicts.	Green Enhanced Skills	Y	New Green Task
		Develop marketing campaigns for environmental technologies or services			
27-3031.00	Public Relations Specialists		Green Enhanced Skills	Y	New Green Task
		Develop plans or materials to communicate activities undertaken by			
		organizations that are beneficial to the environment, public safety, or			
27-3031.00	Public Relations Specialists	other important social issues.	Green Enhanced Skills	Y	New Green Task
		Conduct interviews to obtain information or evidence regarding			
	Occupational Health and Safety	communicable diseases or violations of health or sanitation regulations.			
	Technicians		Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Conduct worker studies to determine whether specific instances of disease			
29-9012.00	Technicians	or illness are job-related.	Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Confer with schools, state authorities, or community groups to develop			
	Technicians	health standards or programs.	Green Enhanced Skills	N	Non-Green Task
		Educate the public about health issues or enforce health legislation to			
	Occupational Health and Safety	prevent disease, to promote health, or to help people understand health			
	Technicians	protection procedures and regulations.	Green Enhanced Skills	N	Non-Green Task
		Evaluate situations or make determinations when a worker has refused to			
	Occupational Health and Safety	work on the grounds that danger or potential harm exists.			
29-9012 00	Technicians		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Occupational Health and Safety	Examine credentials, licenses, or permits to ensure compliance with			
29-9012.00	Technicians	licensing requirements.	Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Help direct rescue or firefighting operations in the event of a fire or an			
29-9012.00	Technicians	explosion.	Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Inspect fire suppression systems or portable fire systems to ensure proper			
29-9012.00	Technicians	working order.	Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Maintain logbooks of daily activities, including areas visited or activities			
29-9012.00	Technicians	performed.	Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Plan emergency response drills.			
29-9012.00	Technicians		Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Prepare documents to be used in legal proceedings, testifying in such			
29-9012.00	Technicians	proceedings when necessary.	Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Prepare or calibrate equipment used to collect or analyze samples.			
29-9012.00	Technicians		Green Enhanced Skills	N	Non-Green Task
		Prepare or review specifications or orders for the purchase of safety			
	Occupational Health and Safety	equipment, ensuring that proper features are present and that items			
29-9012.00	Technicians	conform to health and safety standards.	Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Provide consultation to organizations or agencies on the workplace			
29-9012.00	Technicians	application of safety principles, practices, or techniques.	Green Enhanced Skills	N	Non-Green Task
		Review records or reports concerning laboratory results, staffing, floor			
	Occupational Health and Safety	plans, fire inspections, or sanitation to gather information for the			
29-9012.00	Technicians	development or enforcement of safety activities.	Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Supply, operate, or maintain personal protective equipment.			
29-9012.00	Technicians		Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Verify availability or monitor use of safety equipment, such as hearing			
29-9012.00	Technicians	protection or respirators.	Green Enhanced Skills	N	Non-Green Task
	Occupational Health and Safety	Maintain all required environmental records and documentation.			
29-9012.00	Technicians		Green Enhanced Skills	Υ	Existing Green Task
	Occupational Health and Safety	Recommend corrective measures to be applied based on results of			
29-9012.00	Technicians	environmental contaminant analyses.	Green Enhanced Skills	Υ	Existing Green Task
	Occupational Health and Safety	Test workplaces for environmental hazards, such as exposure to radiation,	,		
29-9012.00	Technicians	chemical or biological hazards, or excessive noise.	Green Enhanced Skills	Υ	Existing Green Task
	Occupational Health and Safety	Collect data regarding potential hazards from new equipment or products			
29-9012.00	Technicians	linked to green practices.	Green Enhanced Skills	Υ	New Green Task
	Occupational Health and Safety	Collect data related to ecological or human health risks at brownfield			
29-9012.00	Technicians	sites.	Green Enhanced Skills	Υ	New Green Task
	Occupational Health and Safety	Examine practices at green building sites to determine whether adherence			
29-9012.00	Technicians	to green building standards alters risks to workers.	Green Enhanced Skills	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Occupational Health and Safety	Perform tests to identify any potential hazards related to recycled products			
29-9012.00	Technicians	used at green building sites.	Green Enhanced Skills	Y	New Green Task
	Occupational Health and Safety	Test or balance newly installed HVAC systems to determine whether			
29-9012.00	Technicians	indoor air quality standards are met.	Green Enhanced Skills	Υ	New Green Task
		Train workers in safety procedures related to green jobs, such as the use			
	Occupational Health and Safety	of fall protection devices or maintenance of proper ventilation during			
29-9012.00	Technicians	wind turbine construction.	Green Enhanced Skills	Y	New Green Task
	Securities and Commodities	Agree on buying or selling prices at optimal levels for clients.			
41-3031.03			Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Analyze target companies or investment opportunities to inform			
41-3031.03		investment decisions.	Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Buy or sell stocks, bonds, commodity futures, foreign currencies, or other			
41-3031.03		securities on behalf of investment dealers.	Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Develop or maintain supplier or customer relationships.			
41-3031.03			Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Devise trading, option, or hedge strategies.			
41-3031.03			Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Identify opportunities or develop channels for purchase or sale of			
41-3031.03		securities or commodities.	Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Inform other traders, managers, or customers of market conditions,			
41-3031.03		including volume, price, competition, or dynamics.	Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Make bids or offers to buy or sell securities.			
41-3031.03			Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Make transportation arrangements for sold or purchased commodities.			
41-3031.03			Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Monitor markets or positions.			
41-3031.03			Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Prepare financial reports, such as reviews of portfolio positions.			
41-3031.03			Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Process paperwork for special orders, including margin or option			
41-3031.03		purchases.	Existing Green New & Emerging	N	Non-Green Task
44 2024 22	Securities and Commodities	Receive sales order tickets and inspect forms to determine accuracy of			<u> </u>
41-3031.03		information.	Existing Green New & Emerging	N	Non-Green Task
44 2024 22	Securities and Commodities	Reconcile account-related statements, such as quarterly or annual			<u> </u>
41-3031.03		statements or confirmations.	Existing Green New & Emerging	N	Non-Green Task
41 2021 22	Securities and Commodities	Report all positions or trading results.	- · · · · · · · · · · · · · · · · · · ·		
41-3031.03	Traders		Existing Green New & Emerging	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Securities and Commodities	Report deficiencies in account payments, securities deliveries, or			
41-3031.03		documentation requirements to avoid rule violations.	Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Review securities transactions to ensure conformance to regulations.			
41-3031.03			Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Supervise support staff and ensure proper execution of contracts.			
41-3031.03	Traders		Existing Green New & Emerging	N	Non-Green Task
		Track and analyze factors that affect price movement, such as trade			
	Securities and Commodities	policies, weather conditions, political developments, or supply and			
41-3031.03	Traders	demand changes.	Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Write or sign sales order confirmation forms to record or approve security	y		
41-3031.03	Traders	transactions.	Existing Green New & Emerging	N	Non-Green Task
	Securities and Commodities	Buy, sell, or trade carbon emissions permits.			
41-3031.03	Traders		Existing Green New & Emerging	Υ	New Green Task
		Identify or pursue investment strategies related to the green economy,			
	Securities and Commodities	including green hedge funds, renewable energy markets, or clean			
41-3031.03		technology investment opportunities.	Existing Green New & Emerging	Υ	New Green Task
		Answer customer questions related to energy sales procedures, energy	3 3		
41-3099.01	Energy Brokers	markets, or alternative energy sources.	Existing Green New & Emerging	Υ	Existing Green Task
	23	Analyze customer bills and utility rate structures to select optimal rate			3
41-3099.01	Energy Brokers	structures for customers.	Existing Green New & Emerging	Y	Existing Green Task
		Contact prospective buyers or sellers of energy products to market			
41-3099.01	Energy Brokers	services or to arrange transactions.	Existing Green New & Emerging	Y	Existing Green Task
		Create product packages based on assessment of customers' needs.			
41-3099 01	Energy Brokers	create product packages based on assessment of castomers needs.	Existing Green New & Emerging	Υ	Existing Green Task
11 3077.01	Energy Brokers	Develop or deliver proposals or presentations on topics such as the	Existing Green New & Emerging		Existing Green rask
41-3099.01	Energy Brokers	purchase or sale of energy.	Existing Green New & Emerging	Υ	Existing Green Task
	Energy Brokers	Explain contracts or related documents to customers.	Existing Green New & Emerging	Y	Existing Green Task
41 3077.01	Energy Brokers	Facilitate the delivery or receipt of wholesale power or retail load	Existing Green New & Emerging	'	Existing Orcen rask
41-3099.01	Energy Brokers	scheduling.	Existing Green New & Emerging	Υ	Existing Green Task
41-3077.01	Elicigy Brokers	Forecast energy supply and demand to minimize costs and maximize	Existing Green New & Emerging	'	Laisting Oreen Task
41 3000 01	Energy Brokers	availability.	Existing Green New & Emerging	Y	Existing Green Task
41-3099.01	Ellergy Brokers	Monitor the flow of energy in response to changes in consumer demand.	Existing Green New & Emerging	Г	Existing Green Task
41 3000 01	Energy Brokers	intomor the flow of energy in response to changes in consumer demand.	Eviating Croop Name & Emarcine	Y	Eviating Cross Tools
	Energy Brokers  Energy Brokers	No actiota milesa an contracta for anomary calca an myrah	Existing Green New & Emerging		Existing Green Task
	Energy Brokers	Negotiate prices or contracts for energy sales or purchases.	Existing Green New & Emerging	Y	Existing Green Task
		Price energy based on market conditions.	Existing Green New & Emerging	Y	Existing Green Task
41-3099.01	Energy Brokers	Purchase or sell energy or energy derivatives for customers.	Existing Green New & Emerging	Y	Existing Green Task
44 2000 01	F	Analyze and evaluate energy supply bids to determine the best options.			
41-3099.01	Energy Brokers		Existing Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Monitor energy supply contracts to ensure proper implementation and			
41-3099.01	Energy Brokers	execution by suppliers.	Existing Green New & Emerging	Υ	New Green Task
		Prepare and send requests for price quotations to all energy companies in			
41-3099.01	Energy Brokers	a particular market.	Existing Green New & Emerging	Υ	New Green Task
		Research and recommend new products or services, such as alternative			
41-3099.01	Energy Brokers	energy sources or renewable energy credits.	Existing Green New & Emerging	Υ	New Green Task
		Advise customers on product usage to improve production.			
	Sales Representatives, Wholesale				
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Answer customers' questions about products, prices, availability, or credit	t		
	Sales Representatives, Wholesale	terms.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Appraise equipment to determine contract terms or trade-in values.			
	Sales Representatives, Wholesale				
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Arrange for installation and testing of products or machinery.			
	Sales Representatives, Wholesale				
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Collaborate with colleagues to exchange information, such as selling			
	Sales Representatives, Wholesale	strategies or marketing information.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Complete expense reports, sales reports, or other paperwork.			
	Sales Representatives, Wholesale				
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Compute customer's installation or production costs and estimate savings			
	Sales Representatives, Wholesale	from new services, products, or equipment.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Consult with engineers regarding technical problems with products.			
	Sales Representatives, Wholesale				
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Contact new or existing customers to discuss how specific products or			
	Sales Representatives, Wholesale	services can meet their needs.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Create diagrams to illustrate efficient space utilization, using standard			
	Sales Representatives, Wholesale	measuring devices or templates.			
41 4011 00	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Demonstrate the operation or use of technical or scientific products.			
	Sales Representatives, Wholesale				
41 4011 00	and Manufacturing, Technical and Scientific Products		Green Enhanced Skills	N	Non-Green Task
41-4011.00	Scientific Floducts	Emphasize product features based on analyses of customers' needs and or		IN	Non-Green rask
	Sales Representatives, Wholesale	technical knowledge of product capabilities and limitations.	•		
	and Manufacturing, Technical and	toomical microage of product capacitates and immunous.			
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Identify prospective customers using business directories, leads from			
	Sales Representatives, Wholesale	existing clients, participation in organizations, or trade show or			
	and Manufacturing, Technical and	conference attendance.			
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Inform customers of estimated delivery schedules, service contracts,			
	Sales Representatives, Wholesale	warranties, or other information pertaining to purchased products.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Initiate sales campaigns to meet sales and production expectations.			
	Sales Representatives, Wholesale				
41 4011 00	and Manufacturing, Technical and Scientific Products		Green Enhanced Skills	N	Non-Green Task
41-4011.00	Scientific Products	Maintain customer records, using automated systems.	Green Ennanced Skills	IN .	Non-Green Task
	Sales Representatives, Wholesale	islamam customer records, using automated systems.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Negotiate prices or terms of sales or service agreements.			
	Sales Representatives, Wholesale				
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Obtain building blueprints or specifications for use by engineering			
	Sales Representatives, Wholesale	departments in bid preparations.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Prepare and submit sales contracts for orders.			
	Sales Representatives, Wholesale				
44 4044 00	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Prepare sales presentations or proposals to explain product specifications			
	Sales Representatives, Wholesale	or applications.			
41 4011 00	and Manufacturing, Technical and Scientific Products		Green Enhanced Skills	N	Non-Green Task
41-4011.00	Scientific Floducts	Provide customers with ongoing technical support.	Green Enhanced Skills	IN	Non-Green Task
	Sales Representatives, Wholesale	1 Tovide customers with ongoing technical support.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Provide feedback to product design teams so that products can be tailored	5.55.1 <u>2.1116.1353</u> 51.1115		Tron Groom ruen
	Sales Representatives, Wholesale	to clients' needs.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Quote prices, credit terms, or other bid specifications.			
	Sales Representatives, Wholesale				
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Select or assist customers in selecting products based on customer needs,			
	Sales Representatives, Wholesale	product specifications, and applicable regulations.			
41 4011 00	and Manufacturing, Technical and Scientific Products		Cross Faharaad Chilla	N	Non Onesa Task
41-4011.00	Scientific Products	Sell service contracts for technical or scientific products.	Green Enhanced Skills	N	Non-Green Task
	Sales Representatives, Wholesale	Sen service contracts for technical or scientific products.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Stock or distribute resources, such as samples or promotional or		.,	Table Cross Factor
	Sales Representatives, Wholesale	educational materials.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Study documentation or other information for new scientific or technical			
	Sales Representatives, Wholesale	products.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Verify accuracy of materials lists.			
	Sales Representatives, Wholesale				
41 4011 00	and Manufacturing, Technical and Scientific Products		Green Enhanced Skills	N	Non-Green Task
41-4011.00	Scientific Products	Verify customer credit ratings.	Green Ennanced Skills	N	Non-Green Task
	Calas Damasantativas Whalasala	verify customer credit ratings.			
	Sales Representatives, Wholesale and Manufacturing, Technical and				
41-4011 00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
11 1011.00	Scientific Froducts	Verify that delivery schedules meet project deadlines.	Green Ermaneed Okins	- 11	Non Green rask
	Sales Representatives, Wholesale	January of the control of the contro			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Visit establishments to evaluate needs or to promote product or service			
	Sales Representatives, Wholesale	sales.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	N	Non-Green Task
		Visit establishments, such as pharmacies, to determine product sales.			
	Sales Representatives, Wholesale				
41 4011 00	and Manufacturing, Technical and Scientific Products		One are Fight are and Obitte	N.	New Owen Teels
41-4011.00	Scientific Products	Attend sales or trade meetings or read related publications to obtain	Green Enhanced Skills	N	Non-Green Task
	Sales Representatives, Wholesale	information about market conditions, business trends, environmental			
	and Manufacturing, Technical and	regulations, or industry developments.			
41-4011.00	Scientific Products		Green Enhanced Skills	Y	Existing Green Task
.1 .011.00		Inform customers about issues related to responsible use and disposal of	C.CC. Elinanood Olano		
	Sales Representatives, Wholesale	products, such as waste reduction or product or byproduct recycling or			
	and Manufacturing, Technical and	disposal.			
41-4011.00	Scientific Products		Green Enhanced Skills	Y	New Green Task
		Present information to customers about the energy efficiency or			
	Sales Representatives, Wholesale	environmental impact of scientific or technical products.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Research and convey information to customers about tax benefits or			
	Sales Representatives, Wholesale	government rebates associated with energy-efficient scientific or technical	1		
	and Manufacturing, Technical and	products, such as solar panels.			
41-4011.00	Scientific Products		Green Enhanced Skills	Y	New Green Task
		Sell technical and scientific products that are environmentally sound or			
	Sales Representatives, Wholesale	designed for environmental remediation.			
	and Manufacturing, Technical and				
41-4011.00	Scientific Products		Green Enhanced Skills	Y	New Green Task
		Assess sites to determine suitability for solar equipment, using equipment			
	Solar Sales Representatives and	such as tape measures, compasses, and computer software.			
41-4011.07	Assessors		New Green New & Emerging	Y	New Green Task
		Calculate potential solar resources or solar array production for a			
	Solar Sales Representatives and	particular site considering issues such as climate, shading, and roof			
41-4011.07	Assessors	orientation.	New Green New & Emerging	Y	New Green Task
	Solar Sales Representatives and	Create customized energy management packages to satisfy customer			
41-4011.07	Assessors	needs.	New Green New & Emerging	Y	New Green Task
	Solar Sales Representatives and	Demonstrate use of solar and related equipment to customers or dealers.			
41-4011.07	Assessors		New Green New & Emerging	Y	New Green Task
	Solar Sales Representatives and	Develop marketing or strategic plans for sales territories.			
41-4011.07	Assessors		New Green New & Emerging	Y	New Green Task
	Solar Sales Representatives and	Gather information from prospective customers to identify their solar			
41-4011.07	Assessors	energy needs.	New Green New & Emerging	Y	New Green Task
	Solar Sales Representatives and	Generate solar energy customer leads to develop new accounts.			
41-4011.07	Assessors		New Green New & Emerging	Y	New Green Task
	Solar Sales Representatives and	Prepare or review detailed design drawings, specifications, or lists related			
41-4011.07		to solar installations.	New Green New & Emerging	Y	New Green Task
	Solar Sales Representatives and	Prepare proposals, quotes, contracts, or presentations for potential solar			
41-4011.07	Assessors	customers.	New Green New & Emerging	Y	New Green Task
		Provide customers with information such as quotes, orders, sales,			
	Solar Sales Representatives and	shipping, warranties, credit, funding options, incentives, or tax rebates.			
41-4011.07			New Green New & Emerging	Y	New Green Task
	Solar Sales Representatives and	Provide technical information about solar power, solar systems,			
41-4011.07	Assessors	equipment, and services to potential customers or dealers.	New Green New & Emerging	Y	New Green Task
		Select solar energy products, systems, or services for customers based on			
	Solar Sales Representatives and	electrical energy requirements, site conditions, price, or other factors.			
41-4011.07			New Green New & Emerging	Y	New Green Task
	Solar Sales Representatives and	Take quote requests or orders from dealers or customers.			
41-4011.07	Assessors		New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
43-5011.01	Freight Forwarders	Arrange delivery or storage of goods at destinations.	Existing Green New & Emerging	N	Non-Green Task
		Arrange for applicable duties, taxes, or paperwork for customs clearance.			
43-5011.01	Freight Forwarders		Existing Green New & Emerging	N	Non-Green Task
		Arrange for special transport of sensitive cargoes, such as livestock, food,			
43-5011.01	Freight Forwarders	or medical supplies.	Existing Green New & Emerging	N	Non-Green Task
43-5011.01	Freight Forwarders	Assist clients in obtaining insurance reimbursements.	Existing Green New & Emerging	N	Non-Green Task
43-5011.01	Freight Forwarders	Calculate weight, volume, or cost of goods to be moved.	Existing Green New & Emerging	N	Non-Green Task
		Consolidate loads with a common destination to reduce costs to			
43-5011.01	Freight Forwarders	individual shippers.	Existing Green New & Emerging	N	Non-Green Task
		Inform clients of factors such as shipping options, timelines, transfers, or			
43-5011.01	Freight Forwarders	regulations affecting shipments.	Existing Green New & Emerging	N	Non-Green Task
43-5011.01	Freight Forwarders	Keep records of goods dispatched or received.	Existing Green New & Emerging	N	Non-Green Task
		Maintain current knowledge of relevant legislation, political situations, or			
43-5011.01	Freight Forwarders	other factors that could affect freight shipping.	Existing Green New & Emerging	N	Non-Green Task
	Freight Forwarders	Monitor or record locations of goods in transit.	Existing Green New & Emerging	N	Non-Green Task
	Freight Forwarders	Negotiate shipping rates with freight carriers.	Existing Green New & Emerging	N	Non-Green Task
	Freight Forwarders	Obtain or arrange cargo insurance.	Existing Green New & Emerging	N	Non-Green Task
		Pay or arrange for payment of freight or insurance fees or other charges.			
43-5011.01	Freight Forwarders		Existing Green New & Emerging	N	Non-Green Task
	Freight Forwarders	Prepare invoices or cost quotations for freight transportation.	Existing Green New & Emerging	N	Non-Green Task
		Prepare shipping documentation, such as including bills of lading,			
43-5011.01	Freight Forwarders	packing lists, dock receipts, or certificates of origin.	Existing Green New & Emerging	N	Non-Green Task
	Freight Forwarders	Provide detailed port information to importers or exporters.	Existing Green New & Emerging	N	Non-Green Task
		Provide shipment status notification to exporters, consignees, or insurers.			
43-5011.01	Freight Forwarders		Existing Green New & Emerging	N	Non-Green Task
	8	Refer exporters to experts in areas such as trade financing, international			
		marketing, government export requirements, international banking, or			
43-5011.01	Freight Forwarders	marine insurance.	Existing Green New & Emerging	N	Non-Green Task
	Freight Forwarders	Reserve necessary space on ships, aircraft, trains, or trucks.	Existing Green New & Emerging	N	Non-Green Task
		Verify adherence of documentation to customs, insurance, or regulatory			
43-5011.01	Freight Forwarders	requirements.	Existing Green New & Emerging	N	Non-Green Task
	Freight Forwarders	Verify proper packaging and labeling of exported goods.	Existing Green New & Emerging	N	Non-Green Task
	6	Ensure that merchandise packing methods are appropriate according to	a management of a management	1.	
		climate, terrain, weight, nature of goods, environmental sustainability, or			
43-5011 01	Freight Forwarders	costs.	Existing Green New & Emerging	Υ	Existing Green Task
.5 5011.01	1019 101114.4010	Select shipment routes based on nature of goods shipped, transit times,	Existing Green New & Emerging	'	Exiculty Oroch Tush
43-5011 01	Freight Forwarders	environmental impact, or security needs.	Existing Green New & Emerging	Y	Existing Green Task
TJ-J011.01	1 101811t I OI Warders	on monimonal impact, or security needs.	Existing Green New & Emerging	'	Existing Oreen Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Determine efficient and cost-effective methods of moving goods from one	3		
43-5011.01	Freight Forwarders	location to another.	Existing Green New & Emerging	Υ	Existing Green Task
		Arrange for transport, using a variety of modes, such as rail, short sea			
		shipping, air, or roadways, to minimize carbon emissions or other			
43-5011.01	Freight Forwarders	environmental impacts.	Existing Green New & Emerging	Υ	New Green Task
		Recommend shipping solutions to minimize cost or environmental			
43-5011.01	Freight Forwarders	impacts.	Existing Green New & Emerging	Υ	New Green Task
		Review the environmental records of freight carriers to inform shipping			
43-5011.01	Freight Forwarders	decisions.	Existing Green New & Emerging	Υ	New Green Task
	Shipping, Receiving, and Traffic	Compute amounts, such as space available, shipping, storage, or			
43-5071.00		demurrage charges, using computer or price list.	Green Enhanced Skills	N	Non-Green Task
		Confer or correspond with establishment representatives to rectify			
	Shipping, Receiving, and Traffic	problems, such as damages, shortages, or nonconformance to			
43-5071.00		specifications.	Green Enhanced Skills	N	Non-Green Task
	Shipping, Receiving, and Traffic	Contact carrier representatives to make arrangements or to issue			
43-5071.00		instructions for shipping and delivery of materials.	Green Enhanced Skills	N	Non-Green Task
	Shipping, Receiving, and Traffic	Deliver or route materials to departments using handtruck, conveyor, or			
43-5071.00		sorting bins.	Green Enhanced Skills	N	Non-Green Task
	Shipping, Receiving, and Traffic	Determine shipping methods, routes, or rates for materials to be shipped.			
43-5071.00			Green Enhanced Skills	N	Non-Green Task
	Shipping, Receiving, and Traffic	Examine shipment contents and compare with records such as manifests,			
43-5071.00		invoices, or orders to verify accuracy.	Green Enhanced Skills	N	Non-Green Task
	Shipping, Receiving, and Traffic	Pack, seal, label, or affix postage to prepare materials for shipping, using			
43-5071.00		hand tools, power tools, or postage meter.	Green Enhanced Skills	N	Non-Green Task
	Shipping, Receiving, and Traffic	Prepare documents, such as work orders, bills of lading, or shipping			
43-5071.00		orders, to route materials.	Green Enhanced Skills	N	Non-Green Task
		Record shipment data, such as weight, charges, space availability,			
	Shipping, Receiving, and Traffic	damages, or discrepancies for reporting, accounting, or recordkeeping			
43-5071.00	Clerks	purposes.	Green Enhanced Skills	N	Non-Green Task
	Shipping, Receiving, and Traffic	Requisition and store shipping materials and supplies to maintain			
43-5071.00		inventory of stock.	Green Enhanced Skills	N	Non-Green Task
	Shipping, Receiving, and Traffic	Compare shipping routes or methods to determine which have the least			
43-5071.00		environmental impact.	Green Enhanced Skills	Υ	New Green Task
		Assess potential solar installation sites to determine feasibility and design			
47-1011.03	Solar Energy Installation Managers		New Green New & Emerging	Υ	New Green Task
		Assess system performance or functionality at the system, subsystem, and			
47-1011.03	Solar Energy Installation Managers	component levels.	New Green New & Emerging	Y	New Green Task

Coordinate or schedule building inspections for solar installation projects.  47-1011.03 Solar Energy Installation Managers  47-1011.03 Solar Energy Installation Mana	O*NET-					
47-1011.03 Solar Energy Installation Managers 47-1011.03 Solar Energ	SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
47-1011.03 Solar Energy Installation Managers instrumentation, or process flow diagrams.  8-1011.03 Solar Energy Installation Managers instrumentation, or process flow diagrams.  8-1011.03 Solar Energy Installation Managers instrumentation, or process flow diagrams.  8-1011.03 Solar Energy Installation Managers installation projects.  8-1011.03 Solar Energy Installation Managers reliability.  9-1011.03 Solar Energy Installation Managers solar installation projects.  9-1011.03 Solar Energy Installation Managers solar installation projects solar installation projects.  9-1011.03 Solar Energy Installation Managers solar installation projects proposals, quotes, budgets, or schedules.  9-1011.03 Solar Energy Installation Managers solar installation project proposals, quotes, budgets, or schedules.  9-1011.03 Solar Energy Installation Managers solar installation project proposals, quotes, budgets, or schedules.  9-1011.03 Solar Energy Installation Managers solar installation project proposals, quotes, budgets, or schedules.  9-1011.03 Solar Energy Installation Managers solar installation project proposals, quotes, budgets, or schedules.  10-1011.03 Solar Energy Installation Managers solar installation project proposals, quotes, budgets, or schedules.  10-1011.03 Solar Energy Installation Managers solar installation project proposals, quotes, budgets, or schedules.  10-1011.03 Solar Energy Installation Managers solar installation project proposals, quotes, budgets, or schedules.  10-1011.03 Solar Energy Installat			Coordinate or schedule building inspections for solar installation projects.			
47-1011.03   Solar Energy Installation Managers instrumentation, or process flow diagrams.   New Green New & Emerging   Y   New Green Task	47-1011.03	Solar Energy Installation Managers		New Green New & Emerging	Υ	New Green Task
Estimate materials, equipment, and persomet needed for residential or commercial solar installation projects.   Evaluate subcontractors or subcontractor bids for quality, cost, and   Variable   Va			Develop and maintain system architecture, including all piping,			
47-1011.03 Solar Energy Installation Managers 50 Supervise solar installers, technicians, and subcontractors for solar installers, technicians, and subcontractors for solar installation, projects to ensure compliance with safety standards.  50 Supervise solar installation projects 50 Supervise solar installation projects 50 Supervise solar in	47-1011.03	Solar Energy Installation Managers	instrumentation, or process flow diagrams.	New Green New & Emerging	Υ	New Green Task
Evaluates subcontractors or subcontractor bids for quality, cost, and 47-1011.03 Solar Energy Installation Managers reliability.  47-1011.03 Solar Energy Installation Managers Solar installation projects.  47-1011.03 Solar Energy Installation Managers Perform start-up of systems for testing or customer implementation.  47-1011.03 Solar Energy Installation Managers Perpars solar installations of photovoltaic (PV) solar and solar thermal systems to ensure conformance to codes.  47-1011.03 Solar Energy Installation Managers Perpars solar installation project proposals, quotes, budgets, or schedules.  47-1011.03 Solar Energy Installation Managers Provide technical assistance to installers, technicians, or other solar professionals in areas such as solar electric systems, solar thermal systems installation.  47-1011.03 Solar Energy Installation Managers Solar Energy Installation Mana			Estimate materials, equipment, and personnel needed for residential or			
47-1011.03 Solar Energy Installation Managers Solar installation projects.  47-1011.03 Solar Energy Installation Managers Solar installation projects.  47-1011.03 Solar Energy Installation Managers Solar installation projects Conform to plans, specifications, schedules, or budgets.  47-1011.03 Solar Energy Installation Managers Solar installation projects of Solar Energy Installation Managers Solar installation project proposals, quotes, budgets.  47-1011.03 Solar Energy Installation Managers Solar installation project proposals, quotes, budgets, or schedules.  47-1011.03 Solar Energy Installation Managers Solar installation project proposals, quotes, budgets, or schedules.  47-1011.03 Solar Energy Installation Managers Solar installation project proposals, quotes, budgets, or schedules.  47-1011.03 Solar Energy Installation Managers Solar installation project proposals, quotes, budgets, or schedules.  47-1011.03 Solar Energy Installation Managers Solar installation project proposals, quotes, budgets, or schedules.  47-1011.03 Solar Energy Installation Managers Solar installation project proposals, quotes, budgets, or schedules.  47-1011.03 Solar Energy Installation Managers Solar installation project proposals, quotes, budgets, or schedules.  47-1011.03 Solar Energy Installation Managers Systems, solar chemical systems, and mechanical systems.  47-1011.03 Solar Energy Installation Managers Systems celectric systems, solar thermal Systems.  47-1011.03 Solar Energy Installation Managers Systems celectric systems, solar thermal Systems.  47-1011.03 Solar Energy Installation Managers Systems celectric systems, solar thermal Systems (Certain Systems, and mechanical systems).  47-1011.03 Solar Energy Installation Managers Systems celectric systems, solar thermal Systems (Certain Systems, Selectric Systems, solar thermal Systems (Certain Systems, Selectric Systems, Solar thermal Systems).  47-1011.03 Solar Energy Installation Managers Systems celectric systems, solar thermal Systems (Certain Systems, Selectric System	47-1011.03	Solar Energy Installation Managers	commercial solar installation projects.	New Green New & Emerging	Υ	New Green Task
Identify means to reduce costs, minimize risks, or increase efficiency of solar Energy Installation Managers   Monitor work of contractors and subcontractors to ensure projects   Monitor work of contractors and subcontractors to ensure projects   Monitor work of contractors and subcontractors to ensure projects   Monitor work of contractors and subcontractors to ensure projects   New Green New & Emerging   Y   New Green Task   Perform start-up of systems for testing or customer implementation.   New Green New & Emerging   Y   New Green Task   Perform start-up of systems for testing or customer implementation.   New Green New & Emerging   Y   New Green Task   Perform start-up of systems for testing or customer implementation.   New Green New & Emerging   Y   New Green Task   Perform start-up of systems to ensure conformance to codes.   New Green New & Emerging   Y   New Green Task   Perform start-up of systems to ensure conformance to codes.   New Green New & Emerging   Y   New Green Task   Provide technical assistance to installation project proposals, quotes, budgets, or schedules.   New Green New & Emerging   Y   New Green Task   Provide technical assistance to installation, systems, solar thermal systems, solar therm			Evaluate subcontractors or subcontractor bids for quality, cost, and			
47-1011.03 Solar Energy Installation Managers  5 Supervise solar installation set such as solar electric systems, solar thermal systems, solar checking systems, solar thermal systems, solar energy system installation.  47-1011.03 Solar Energy Installation Managers  5 Supervise solar installation, solar energy system installation.  6 Supervise solar installation, projects to ensure compliance with safety standards.  7 New Green New & Emerging  7 New Green Task  8 New Green New & Emerging  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green Task  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green Task  9 New Green Task  9 New Green New & Emerging  9 New Green Task  9 New Green Task  9 Ne	47-1011.03	Solar Energy Installation Managers	reliability.	New Green New & Emerging	Υ	New Green Task
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Monitor work of contractors and subcontractors to ensure projects   A7-1011.03   Solar Energy Installation Managers   Perform start-up of systems for testing or customer implementation.   New Green New & Emerging   Y   New Green Task	47-1011.03	Solar Energy Installation Managers		New Green New & Emerging	Y	New Green Task
47-1011.03 Solar Energy Installation Managers  Perform start-up of systems for testing or customer implementation.  Perform start-up of systems for testing or customer implementation.  New Green New & Emerging  Y New Green Task  Plan and coordinate installations of photovoltaic (PV) solar and solar  thermal systems to ensure conformance to codes.  Prepare solar installation project proposals, quotes, budgets, or schedules.  Prepare solar installation project proposals, quotes, budgets, or schedules.  Provide technical assistance to installers, technicians, or other solar professionals in areas such as solar electric systems, solar thermal systems. New Green New & Emerging  Y New Green Task  Provide technical assistance to installers, technicians, or other solar professionals in areas such as solar electric systems, solar thermal systems. New Green New & Emerging  Y New Green Task  Purchase or rent equipment for solar energy system installation.  47-1011.03 Solar Energy Installation Managers  Supervise solar installers, technicians, and subcontractors for solar  installation projects to ensure compliance with safety standards. New Green New & Emerging  Y New Green Task  Visit customer sites to determine solar system needs, requirements, or  47-2061.00 Construction Laborers  Construction Laborers  Construction Laborers  Construction Laborers  Control traffic passing near, in, or around work zones.  Dig ditches or trenches, backfill excavations, or compact and level earth to grade specifications, using picks, shovels, pneumatic tampers, or rakes.  47-2061.00 Construction Laborers  Green Enhanced Skills  N Non-Green Task  Frect or dismantle scaffolding, shoring, braces, traffic barricades, ramps, or other temporary structures.  Green Enhanced Skills  N Non-Green Task  Frect or dismantle scaffolding, shoring, braces, traffic barricades, ramps, or other temporary structures.						
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Erect or dismantle scaffolding, shoring, braces, traffic barricades, ramps, or other temporary structures.  Green Enhanced Skills  N Non-Green Task  Grind, scrape, sand, or polish surfaces such as concrete, marble, terrazzo,	47-2061.00	Construction Laborers		Green Enhanced Skills	N	Non-Green Task
47-2061.00 Construction Laborers or other temporary structures. Green Enhanced Skills N Non-Green Task Grind, scrape, sand, or polish surfaces such as concrete, marble, terrazzo,			Erect or dismantle scaffolding, shoring, braces, traffic barricades, ramps.			
Grind, scrape, sand, or polish surfaces such as concrete, marble, terrazzo,	47-2061.00	Construction Laborers		Green Enhanced Skills	N	Non-Green Task
TIPED TO WOOD DOUBLE TO WOOD DOURS, using acresive tools of machines.   Name of the control of t	47-2061.00	Construction Laborers	or wood flooring, using abrasive tools or machines.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Install sewer, water, or storm drain pipes, using pipe-laying machinery or			
47-2061.00	Construction Laborers	laser guidance equipment.	Green Enhanced Skills	N	Non-Green Task
		Load, unload, or identify building materials, machinery, or tools,			
		distributing them to the appropriate locations, according to project plans			
47-2061.00	Construction Laborers	or specifications.	Green Enhanced Skills	N	Non-Green Task
47-2061.00	Construction Laborers	Lubricate, clean, or repair machinery, equipment, or tools.	Green Enhanced Skills	N	Non-Green Task
		Measure, mark, or record openings or distances to layout areas where			
47-2061.00	Construction Laborers	construction work will be performed.	Green Enhanced Skills	N	Non-Green Task
		Mix ingredients to create compounds for covering or cleaning surfaces.			
47-2061.00	Construction Laborers		Green Enhanced Skills	N	Non-Green Task
47-2061.00	Construction Laborers	Mix, pour, or spread concrete, using portable cement mixers.	Green Enhanced Skills	N	Non-Green Task
		Mop, brush, or spread paints, cleaning solutions, or other compounds ove	r		
47-2061.00	Construction Laborers	surfaces to clean them or to provide protection.	Green Enhanced Skills	N	Non-Green Task
47-2061.00	Construction Laborers	Operate jackhammers or drills to break up concrete or pavement.	Green Enhanced Skills	N	Non-Green Task
		Operate or maintain air monitoring or other sampling devices in confined			
47-2061.00	Construction Laborers	or hazardous environments.	Green Enhanced Skills	N	Non-Green Task
		Place, consolidate, or protect case-in-place concrete or masonry			
47-2061.00	Construction Laborers	structures.	Green Enhanced Skills	N	Non-Green Task
		Position or dismantle forms for pouring concrete, using saws, hammers,			
47-2061.00	Construction Laborers	nails, or bolts.	Green Enhanced Skills	N	Non-Green Task
		Position, join, align, or seal structural components, such as concrete wall			
47-2061.00	Construction Laborers	sections or pipes.	Green Enhanced Skills	N	Non-Green Task
		Provide assistance to craft workers, such as carpenters, plasterers, or			
47-2061.00	Construction Laborers	masons.	Green Enhanced Skills	N	Non-Green Task
		Read plans, instructions, or specifications to determine work activities.			
47-2061.00	Construction Laborers	• • • • • • • • • • • • • • • • • • • •	Green Enhanced Skills	N	Non-Green Task
		Signal equipment operators to facilitate alignment, movement, or			
47-2061.00	Construction Laborers	adjustment of machinery, equipment, or materials.	Green Enhanced Skills	N	Non-Green Task
		Smooth or finish freshly poured cement or concrete, using floats, trowels,			
47-2061.00	Construction Laborers	screeds, or powered cement finishing tools.	Green Enhanced Skills	N	Non-Green Task
		Spray materials such as water, sand, steam, vinyl, paint, or stucco through	1		
47-2061.00	Construction Laborers	hoses to clean, coat, or seal surfaces.	Green Enhanced Skills	N	Non-Green Task
		Tend machines that pump concrete, grout, cement, sand, plaster, or stucco			
47-2061.00	Construction Laborers	through spray guns for application to ceilings or walls.	Green Enhanced Skills	N	Non-Green Task
		Tend pumps, compressors, or generators to provide power for tools,			
		machinery, or equipment or to heat or move materials, such as asphalt.			
47 2061 00	Construction Laborers	,,	Green Enhanced Skills	N	Non-Green Task
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SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Use computers or other input devices to control robotic pipe cutters or			
47-2061.00	Construction Laborers	cleaners.	Green Enhanced Skills	N	Non-Green Task
47-2061.00	Construction Laborers	Identify, pack, or transport hazardous or radioactive materials.	Green Enhanced Skills	Υ	Existing Green Task
47-2061.00	Construction Laborers	Raze buildings or salvage useful materials.	Green Enhanced Skills	Υ	Existing Green Task
47-2061.00	Construction Laborers	Apply weather-stripping to reduce energy loss.	Green Enhanced Skills	Y	New Green Task
		Perform building weatherization tasks, such as repairing windows, adding	5		
47-2061.00	Construction Laborers	insulation, or applying weather-stripping materials.	Green Enhanced Skills	Υ	New Green Task
		Perform construction laborer duties at green building sites, such as			
47-2061.00	Construction Laborers	renewable energy plants or wind turbine installations.	Green Enhanced Skills	Y	New Green Task
		Perform site activities required of green certified construction practices,			
		such as implementing waste management procedures, identifying			
		materials for reuse, or installing erosion or sedimentation control			
47-2061.00	Construction Laborers	mechanisms.	Green Enhanced Skills	Υ	New Green Task
		Assemble or secure pipes, tubes, fittings, or related equipment, according			
		to specifications by welding, brazing, cementing, soldering, or threading			
47-2152.01	Pipe Fitters and Steamfitters	joints.	Green Enhanced Skills	N	Non-Green Task
		Attach pipes to walls, structures, or fixtures, such as radiators or tanks,			
47-2152.01	Pipe Fitters and Steamfitters	using brackets, clamps, tools, or welding equipment.	Green Enhanced Skills	N	Non-Green Task
		Cut or bore holes in structures such as bulkheads, decks, walls, or mains			
47-2152.01	Pipe Fitters and Steamfitters	prior to pipe installation, using hand or power tools.	Green Enhanced Skills	N	Non-Green Task
		Cut, thread, or hammer pipes to specifications, using tools such as saws,			
47-2152.01	Pipe Fitters and Steamfitters	cutting torches, pipe threaders, or pipe benders.	Green Enhanced Skills	N	Non-Green Task
		Dip nonferrous piping materials in a mixture of molten tin and lead to			
		obtain a coating that prevents erosion or galvanic and electrolytic action.			
47-2152.01	Pipe Fitters and Steamfitters		Green Enhanced Skills	N	Non-Green Task
		Inspect work sites for obstructions or holes that could cause structural			
47-2152.01	Pipe Fitters and Steamfitters	weakness.	Green Enhanced Skills	N	Non-Green Task
		Inspect, examine, or test installed systems or pipe lines, using pressure			
	Pipe Fitters and Steamfitters	gauge, hydrostatic testing, observation, or other methods.	Green Enhanced Skills	N	Non-Green Task
47-2152.01	Pipe Fitters and Steamfitters	Install automatic controls to regulate pipe systems.	Green Enhanced Skills	N	Non-Green Task
		Lay out full scale drawings of pipe systems, supports, or related			
	Pipe Fitters and Steamfitters	equipment, according to blueprints.	Green Enhanced Skills	N	Non-Green Task
47-2152.01	Pipe Fitters and Steamfitters	Measure and mark pipes for cutting or threading.	Green Enhanced Skills	N	Non-Green Task
		Modify, clean, or maintain pipe systems, units, fittings, or related			
47-2152.01	Pipe Fitters and Steamfitters	machines or equipment, using hand or power tools.	Green Enhanced Skills	N	Non-Green Task
		Operate motorized pumps to remove water from flooded manholes,			
47-2152.01	Pipe Fitters and Steamfitters	basements, or facility floors.	Green Enhanced Skills	N	Non-Green Task

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SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Plan pipe system layout, installation, or repair, according to			
47-2152.01	Pipe Fitters and Steamfitters	specifications.	Green Enhanced Skills	N	Non-Green Task
47-2152.01	Pipe Fitters and Steamfitters	Prepare cost estimates for clients.	Green Enhanced Skills	N	Non-Green Task
47-2152.01	Pipe Fitters and Steamfitters	Remove and replace worn components.	Green Enhanced Skills	N	Non-Green Task
		Select pipe sizes, types, or related materials, such as supports, hangers, or			
47-2152.01	Pipe Fitters and Steamfitters	hydraulic cylinders, according to specifications.	Green Enhanced Skills	N	Non-Green Task
		Shut off steam, water, or other gases or liquids from pipe sections, using			
47-2152.01	Pipe Fitters and Steamfitters	valve keys or wrenches.	Green Enhanced Skills	N	Non-Green Task
		Install fixtures, appliances, or equipment designed to reduce water or			
47-2152.01	Pipe Fitters and Steamfitters	energy consumption.	Green Enhanced Skills	Y	New Green Task
		Install or test gray water systems, such as recycling, treatment, or			
47-2152.01	Pipe Fitters and Steamfitters	irrigation systems.	Green Enhanced Skills	Y	New Green Task
		Install pipe systems to support alternative energy-fueled systems, such as			
47-2152.01	Pipe Fitters and Steamfitters	geothermal heating and cooling systems.	Green Enhanced Skills	Y	New Green Task
47-2152.02	Plumbers	Anchor steel supports from ceiling joists to hold pipes in place.	Green Enhanced Skills	N	Non-Green Task
		Assemble pipe sections, tubing, or fittings, using couplings, clamps,			
		screws, bolts, cement, plastic solvent, caulking, or soldering, brazing, or			
47-2152.02	Plumbers	welding equipment.	Green Enhanced Skills	N	Non-Green Task
		Cut openings in structures to accommodate pipes or pipe fittings, using			
47-2152.02	Plumbers	hand or power tools.	Green Enhanced Skills	N	Non-Green Task
		Direct helpers engaged in pipe cutting, preassembly, or installation of			
47-2152.02	Plumbers	plumbing systems or components.	Green Enhanced Skills	N	Non-Green Task
47-2152.02	Plumbers	Estimate time, material, or labor costs for use in project plans.	Green Enhanced Skills	N	Non-Green Task
		Fill pipes or plumbing fixtures with water or air and observe pressure			
47-2152.02	Plumbers	gauges to detect and locate leaks.	Green Enhanced Skills	N	Non-Green Task
		Inspect structures to assess material or equipment needs, to establish the			
		sequence of pipe installations, or to plan installation around obstructions			
47-2152.02	Plumbers	such as electrical wiring.	Green Enhanced Skills	N	Non-Green Task
		Install pipe assemblies, fittings, valves, appliances such as dishwashers or			
		water heaters, or fixtures such as sinks or toilets, using hand or power			
47-2152.02	Plumbers	tools.	Green Enhanced Skills	N	Non-Green Task
		Install underground storm, sanitary, or water piping systems, extending			
47-2152.02	Plumbers	piping as needed to connect fixtures and plumbing.	Green Enhanced Skills	N	Non-Green Task
47-2152.02	Plumbers	Keep records of work assignments.	Green Enhanced Skills	N	Non-Green Task
		Locate and mark the position of pipe installations, connections, passage			
		holes, or fixtures in structures, using measuring instruments such as rulers			
47-2152.02	Plumbers	or levels.	Green Enhanced Skills	N	Non-Green Task

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SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
47.0150.00	DI 1	Maintain or repair plumbing by replacing defective washers, replacing or	0 5 1 101 11		
47-2152.02	Plumbers	mending broken pipes, or opening clogged drains.	Green Enhanced Skills	N	Non-Green Task
		Measure, cut, thread, or bend pipe to required angle, using hand or power			
47. 21.52.02	PI 1	tools or machines such as pipe cutters, pipe-threading machines, or pipe- bending machines.			
47-2152.02	Plumbers		Green Enhanced Skills	N	Non-Green Task
47.0150.00	DI 1	Review blueprints, building codes, or specifications to determine work	0 5 1 101 11		
47-2152.02	Plumbers	details or procedures.	Green Enhanced Skills	N	Non-Green Task
47. 21.52.02	PI 1	Calculate costs or savings for water- or energy-efficient appliances or		.,	
47-2152.02	Plumbers	systems.	Green Enhanced Skills	Y	New Green Task
		Compile information on governmental incentive programs related to the			
		installation of energy or water saving plumbing systems or devices.			
47-2152.02	Plumbers		Green Enhanced Skills	Y	New Green Task
		Determine sizing requirements for solar hot water heating systems, taking	5		
		into account factors such as site orientation, load calculations, or storage			
47-2152.02	Plumbers	capacity requirements.	Green Enhanced Skills	Y	New Green Task
		Install alternative water sources, such as rainwater harvesting systems or			
47-2152.02	Plumbers	graywater reuse systems.	Green Enhanced Skills	Y	New Green Task
		Install green plumbing equipment, such as faucet flow restrictors, dual-			
		flush or pressure-assisted flush toilets, or tankless hot water heaters.			
47-2152.02	Plumbers		Green Enhanced Skills	Y	New Green Task
		Install, test, or commission solar thermal or solar photovoltaic hot water			
47-2152.02	Plumbers	heating systems.	Green Enhanced Skills	Υ	New Green Task
		Perform domestic plumbing audits to identify ways in which customers			
47-2152.02	Plumbers	might reduce consumption of water or energy.	Green Enhanced Skills	Υ	New Green Task
		Recommend energy or water saving products, such as low-flow faucets or	r		
		shower heads, water-saving toilets, or high-efficiency hot water heaters.			
47-2152.02	Plumbers		Green Enhanced Skills	Υ	New Green Task
		Weld small pipes or special piping, using specialized techniques,			
		equipment, or materials, such as computer-assisted welding or microchip			
47-2152.02	Plumbers	fabrication.	Green Enhanced Skills	Υ	New Green Task
		Apply alternate layers of hot asphalt or tar and roofing paper to roofs.			
47-2181.00	Roofers		Green Enhanced Skills	N	Non-Green Task
		Apply gravel or pebbles over top layers of roofs, using rakes or stiff-			
47-2181.00	Roofers	bristled brooms.	Green Enhanced Skills	N	Non-Green Task
		Apply plastic coatings, membranes, fiberglass, or felt over sloped roofs			
47-2181.00	Roofers	before applying shingles.	Green Enhanced Skills	N	Non-Green Task
		Attach roofing paper to roofs in overlapping strips to form bases for other			
47-2181.00	Roofers	materials.	Green Enhanced Skills	N	Non-Green Task

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SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Cement or nail flashing strips of metal or shingle over joints to make then	1		
47-2181.00	Roofers	watertight.	Green Enhanced Skills	N	Non-Green Task
		Cover exposed nailheads with roofing cement or caulking to prevent			
47-2181.00	Roofers	water leakage or rust.	Green Enhanced Skills	N	Non-Green Task
		Cover roofs or exterior walls of structures with slate, asphalt, aluminum,			
		wood, gravel, gypsum, or related materials, using brushes, knives,			
47-2181.00	Roofers	punches, hammers, or other tools.	Green Enhanced Skills	N	Non-Green Task
		Cut felt, shingles, or strips of flashing to fit angles formed by walls, vents			
47-2181.00	Roofers	or intersecting roof surfaces.	Green Enhanced Skills	N	Non-Green Task
47-2181.00	Roofers	Estimate materials and labor required to complete roofing jobs.	Green Enhanced Skills	N	Non-Green Task
		Glaze top layers to make a smooth finish or embed gravel in the bitumen			
47-2181.00	Roofers	for rough surfaces.	Green Enhanced Skills	N	Non-Green Task
47-2181.00	Roofers	Inspect problem roofs to determine the best repair procedures.	Green Enhanced Skills	N	Non-Green Task
		Install partially overlapping layers of material over roof insulation			
		surfaces, using chalk lines, gauges on shingling hatchets, or lines on			
47-2181.00	Roofers	shingles.	Green Enhanced Skills	N	Non-Green Task
		Install, repair, or replace single-ply roofing systems, using waterproof			
		sheet materials such as modified plastics, elastomeric, or other asphaltic			
47-2181.00	Roofers	compositions.	Green Enhanced Skills	N	Non-Green Task
47-2181.00	Roofers	Mop or pour hot asphalt or tar onto roof bases.	Green Enhanced Skills	N	Non-Green Task
		Punch holes in slate, tile, terra cotta, or wooden shingles, using punches			
47-2181.00	Roofers	and hammers.	Green Enhanced Skills	N	Non-Green Task
		Remove snow, water, or debris from roofs prior to applying roofing			
47-2181.00	Roofers	materials.	Green Enhanced Skills	N	Non-Green Task
47-2181.00	Roofers	Set up scaffolding to provide safe access to roofs.	Green Enhanced Skills	N	Non-Green Task
		Smooth rough spots to prepare surfaces for waterproofing, using			
47-2181.00	Roofers	hammers, chisels, or rubbing bricks.	Green Enhanced Skills	N	Non-Green Task
		Waterproof or damp-proof walls, floors, roofs, foundations, or basements			
		by painting or spraying surfaces with waterproof coatings or by attaching			
47-2181.00	Roofers	waterproofing membranes to surfaces.	Green Enhanced Skills	N	Non-Green Task
47-2181.00	Roofers	Install vapor barriers or layers of insulation on flat roofs.	Green Enhanced Skills	Y	Existing Green Task
		Spray roofs, sidings, or walls to bind, seal, insulate, or soundproof			
		sections of structures, using spray guns, air compressors, or heaters.			
47-2181.00	Roofers		Green Enhanced Skills	Y	Existing Green Task
		Apply modular soil- and plant-containing grids over existing roof			J = 1 = 1.001
47-2181.00	Roofers	membranes to create green roofs.	Green Enhanced Skills	Y	New Green Task
		Apply reflective roof coatings, such as special paints or single-ply roofing			C.CO I GOR
47-2181.00	Roofers	sheets, to existing roofs to reduce solar heat absorption.	Green Enhanced Skills	Y	New Green Task

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SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Attach solar panels to existing roofs, according to specifications and			
		without damaging roofing materials or the structural integrity of			
47-2181.00	Roofers	buildings.	Green Enhanced Skills	Y	New Green Task
		Install attic ventilation systems, such as turbine vents, gable or ridge			
47-2181.00	Roofers	vents, or conventional or solar-powered exhaust fans.	Green Enhanced Skills	Y	New Green Task
		Install layers of vegetation-based green roofs, including protective			
		membranes, drainage, aeration, water retention and filter layers, soil			
47-2181.00	Roofers	substrates, irrigation materials, and plants.	Green Enhanced Skills	Y	New Green Task
		Install skylights on roofs to increase natural light inside structures or to			
47-2181.00	Roofers	reduce energy costs.	Green Enhanced Skills	Υ	New Green Task
		Install solar roofing systems that have energy-collecting photovoltaic			
47-2181.00	Roofers	panels built into roofing membranes, shingles, or tiles.	Green Enhanced Skills	Υ	New Green Task
		Convert blueprints into shop drawings to be followed in the construction			
47-2211.00	Sheet Metal Workers	or assembly of sheet metal products.	Green Enhanced Skills	N	Non-Green Task
		Determine project requirements, such as scope, assembly sequences, or			
		required methods or materials, using blueprints, drawings, or written or			
47-2211.00	Sheet Metal Workers	verbal instructions.	Green Enhanced Skills	N	Non-Green Task
		Develop or lay out patterns, using computerized metalworking equipment			
47-2211.00	Sheet Metal Workers		Green Enhanced Skills	N	Non-Green Task
		Fabricate or alter parts at construction sites, using shears, hammers,			
47-2211.00	Sheet Metal Workers	punches, or drills.	Green Enhanced Skills	N	Non-Green Task
		Fasten roof panel edges or machine-made moldings to structures by			
47-2211.00	Sheet Metal Workers	nailing or welding.	Green Enhanced Skills	N	Non-Green Task
		Fasten seams or joints together with welds, bolts, cement, rivets, solder,			
		caulks, metal drive clips, or bonds to assemble components into products			
47-2211.00	Sheet Metal Workers	or to repair sheet metal items.	Green Enhanced Skills	N	Non-Green Task
47-2211.00	Sheet Metal Workers	Finish parts, using hacksaws, or hand, rotary, or squaring shears.	Green Enhanced Skills	N	Non-Green Task
47-2211.00	Sheet Metal Workers	Hire, train, or supervise new employees or apprentices.	Green Enhanced Skills	N	Non-Green Task
		Inspect individual parts, assemblies, or installations, using measuring			
47-2211.00	Sheet Metal Workers	instruments such as calipers, scales, or micrometers.	Green Enhanced Skills	N	Non-Green Task
		Install assemblies, such as flashing, pipes, tubes, heating and air			
		conditioning ducts, furnace casings, rain gutters, or down spouts in			
47-2211.00	Sheet Metal Workers	supportive frameworks.	Green Enhanced Skills	N	Non-Green Task
		Lay out, measure, and mark dimensions and reference lines on material			
		such as roofing panels, using calculators, scribes, dividers, squares, or			
47-2211.00	Sheet Metal Workers	rulers.	Green Enhanced Skills	N	Non-Green Task
		Maintain equipment, making repairs or modifications when necessary.			
	Sheet Metal Workers		Green Enhanced Skills	N	Non-Green Task

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SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
47-2211.00	Sheet Metal Workers	Maneuver completed roofing units into position for installation.	Green Enhanced Skills	N	Non-Green Task
		Secure metal roof panels in place by interlocking and fastening grooved			
47-2211.00	Sheet Metal Workers	panel edges.	Green Enhanced Skills	N	Non-Green Task
		Select gauges or types of sheet metal or nonmetallic material, according to	0		
47-2211.00	Sheet Metal Workers	product specifications.	Green Enhanced Skills	N	Non-Green Task
		Shape metal material over anvils, blocks, or other forms, using hand tools			
47-2211.00	Sheet Metal Workers		Green Enhanced Skills	N	Non-Green Task
		Transport prefabricated parts to construction sites for assembly and			
47-2211.00	Sheet Metal Workers	installation.	Green Enhanced Skills	N	Non-Green Task
		Trim, file, grind, deburr, buff, or smooth surfaces, seams, or joints of			
47-2211.00	Sheet Metal Workers	assembled parts, using hand tools or portable power tools.	Green Enhanced Skills	N	Non-Green Task
47-2211.00	Sheet Metal Workers	Construct components for high-performance wind turbine systems.	Green Enhanced Skills	Y	New Green Task
		Fabricate ducts for high efficiency heating, ventilating, and air			
47-2211.00	Sheet Metal Workers	conditioning (HVAC) systems to maximize efficiency of systems.	Green Enhanced Skills	Y	New Green Task
		Install green architectural sheet metal components, such as cool roofs or		-	
47-2211.00	Sheet Metal Workers	hot or cold walls.	Green Enhanced Skills	Y	New Green Task
.,		Perform building commissioning activities by completing mechanical			Tron Groom radio
		inspections of a building's water, lighting, or heating, ventilating, and air			
47-2211.00	Sheet Metal Workers	conditioning (HVAC) systems.	Green Enhanced Skills	Y	New Green Task
	Sheet Metal Workers	Perform sheet metal work necessary for solar panel installations.	Green Enhanced Skills	Y	New Green Task
., 2211.00	Sisse Michael Workers	Verify that heating, ventilating, and air conditioning (HVAC) systems are		•	Trow Groom rack
		designed, installed, and calibrated in accordance with green certification			
		standards, such as those of Leadership in Energy and Environmental			
47-2211 00	Sheet Metal Workers	Design (LEED).	Green Enhanced Skills	Y	New Green Task
+7 2211.00	Construction and Building	Approve building plans that meet required specifications.	Green Ennanced Grins	'	New Orcen rask
47-4011.00	Ü	rapprove building plans that meet required specifications.	Green Enhanced Skills	N	Non-Green Task
47 4011.00	Construction and Building	Conduct inspections, using survey instruments, metering devices, tape	Green Ennanced Grins	14	Non Orcen rask
47-4011.00		measures, or test equipment.	Green Enhanced Skills	N	Non-Green Task
47-4011.00	Construction and Building	Confer with owners, violators, or authorities to explain regulations or	Green Ennanced Skins	IN .	Non-Oreen rask
47-4011.00		recommend remedial actions.	Green Enhanced Skills	N	Non-Green Task
47-4011.00	Construction and Building	Estimate cost of completed work or of needed renovations or upgrades.	Green Ennanced Skins	IN .	Non-Oreen rask
47-4011.00		Estimate cost of completed work of of needed renovations of apgrades.	Green Enhanced Skills	N	Non-Green Task
T/-4011.00	Construction and Building	Evaluate premises for cleanliness, such as proper garbage disposal or lack		IN	NOII-GIEEII IASK
47-4011.00		of vermin infestation.	Green Enhanced Skills	N	Non-Green Task
T/-4011.00	mapectors	Examine lifting or conveying devices, such as elevators, escalators,	Oreen Ennanced Skills	IN	NOII-GIEEII IASK
	Construction and Duilding	moving sidewalks, hoists, inclined railways, ski lifts, or amusement rides			
47-4011.00	Construction and Building	to ensure safety and proper functioning.	Green Enhanced Skills	N	Non-Green Task
47-4011.00	mspeciois	to ensure surery und proper functioning.	Green Ennanced Skills	IN	Non-Green rask

O*NET- SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Construction and Building	Issue permits for construction, relocation, demolition, or occupancy.			
47-4011.00	Inspectors		Green Enhanced Skills	N	Non-Green Task
	Construction and Building	Maintain daily logs and supplement inspection records with photographs.			
47-4011.00	Inspectors		Green Enhanced Skills	N	Non-Green Task
	Construction and Building	Measure dimensions and verify level, alignment, or elevation of structures or fixtures to ensure compliance to building plans and codes.	s		
47-4011.00	Inspectors		Green Enhanced Skills	N	Non-Green Task
47-4011.00	Construction and Building Inspectors	Monitor installation of plumbing, wiring, equipment, or appliances to ensure that installation is performed properly and is in compliance with applicable regulations.	Green Enhanced Skills	N	Non-Green Task
47-4011.00	Construction and Building Inspectors	Train, direct, or supervise other construction inspectors.	Green Enhanced Skills	N	Non-Green Task
47-4011.00	Construction and Building Inspectors	Inspect bridges, dams, highways, buildings, wiring, plumbing, electrical circuits, sewers, heating systems, or foundations for structural quality, general safety, environmental impact, or conformance to specifications and codes.	Green Enhanced Skills	Y	Existing Green Task
47-4011.00	Construction and Building Inspectors	Inspect or monitor construction sites to ensure adherence to safety standards, building codes, environmental regulations, or specifications.	Green Enhanced Skills	Y	Existing Green Task
47-4011.00	Construction and Building Inspectors	Review plans, blueprints, site layouts, specifications, or construction methods to ensure compliance to legal requirements, environmental regulations, or safety regulations.	Green Enhanced Skills	Y	Existing Green Task
47-4011.00	Construction and Building Inspectors	Conduct environmental hazard inspections to identify or quantify problems such as asbestos, poor air quality, water contamination, or other environmental hazards.	Green Enhanced Skills	Y	New Green Task
47-4011.00	Construction and Building Inspectors	Sample and test air to identify gasses, such as bromine, ozone, or sulfur dioxide, or particulates, such as mold, dust, or allergens.	Green Enhanced Skills	Y	New Green Task
47-4041.00	Hazardous Materials Removal Workers	Build containment areas prior to beginning abatement or decontamination work.	Green Enhanced Skills	Y	Existing Green Task
47-4041.00	Hazardous Materials Removal Workers	Clean contaminated equipment or areas for re-use, using detergents or solvents, sandblasters, filter pumps, or steam cleaners.	Green Enhanced Skills	Y	Existing Green Task
47-4041.00	Hazardous Materials Removal Workers	Comply with prescribed safety procedures or federal laws regulating waste disposal methods.	Green Enhanced Skills	Y	Existing Green Task
47-4041.00	Hazardous Materials Removal Workers	Drive trucks or other heavy equipment to convey contaminated waste to designated sea or ground locations.	Green Enhanced Skills	Y	Existing Green Task
47-4041.00	Hazardous Materials Removal Workers	Identify asbestos, lead, or other hazardous materials to be removed, using monitoring devices.	Green Enhanced Skills	Y	Existing Green Task

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SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Hazardous Materials Removal	Load or unload materials into containers or onto trucks, using hoists or			
47-4041.00	Workers	forklifts.	Green Enhanced Skills	Υ	Existing Green Task
	Hazardous Materials Removal	Mix or pour concrete into forms to encase waste material for disposal.			
47-4041.00	Workers		Green Enhanced Skills	Υ	Existing Green Task
	Hazardous Materials Removal	Operate cranes to move or load baskets, casks, or canisters.			
47-4041.00	Workers		Green Enhanced Skills	Y	Existing Green Task
	Hazardous Materials Removal	Operate machines or equipment to remove, package, store, or transport			
47-4041.00	Workers	loads of waste materials.	Green Enhanced Skills	Y	Existing Green Task
	Hazardous Materials Removal	Organize or track the locations of hazardous items in landfills.			
47-4041.00	Workers		Green Enhanced Skills	Y	Existing Green Task
		Package, store, or move irradiated fuel elements in the underwater storage	e		
	Hazardous Materials Removal	basins of nuclear reactor plants, using machines or equipment.			
47-4041.00	Workers		Green Enhanced Skills	Y	Existing Green Task
	Hazardous Materials Removal	Prepare hazardous material for removal or storage.			
47-4041.00	Workers		Green Enhanced Skills	Y	Existing Green Task
	Hazardous Materials Removal	Record numbers of containers stored at disposal sites, specifying amounts	S		
47-4041.00	Workers	or types of equipment or waste disposed.	Green Enhanced Skills	Y	Existing Green Task
	Hazardous Materials Removal	Remove asbestos or lead from surfaces, using hand or power tools such a	s		
47-4041.00	Workers	scrapers, vacuums, or high-pressure sprayers.	Green Enhanced Skills	Y	Existing Green Task
	Hazardous Materials Removal	Upload baskets of irradiated elements onto machines that insert fuel			
47-4041.00	Workers	elements into canisters and secure lids.	Green Enhanced Skills	Y	Existing Green Task
	Hazardous Materials Removal	Apply bioremediation techniques to hazardous wastes to allow naturally			
47-4041.00	Workers	occurring bacteria to break down toxic substances.	Green Enhanced Skills	Y	New Green Task
		Clean mold-contaminated sites by removing damaged porous materials or	r		
	Hazardous Materials Removal	thoroughly cleaning all contaminated nonporous materials.			
47-4041.00	Workers		Green Enhanced Skills	Y	New Green Task
	Hazardous Materials Removal	Identify or separate waste products or materials for recycling or reuse.			
47-4041.00	Workers		Green Enhanced Skills	Y	New Green Task
	Hazardous Materials Removal	Process e-waste, such as computer components containing lead or			
47-4041.00	Workers	mercury.	Green Enhanced Skills	Y	New Green Task
	Hazardous Materials Removal	Remove or limit contamination following emergencies involving			
47-4041.00	Workers	hazardous substances.	Green Enhanced Skills	Υ	New Green Task
	Hazardous Materials Removal	Sort specialized hazardous waste at landfills or disposal centers,			
47-4041.00	Workers	following proper disposal procedures.	Green Enhanced Skills	Y	New Green Task
		Activate photovoltaic (PV) systems to verify system functionality and			
47-4099.01	Solar Photovoltaic Installers	conformity to performance expectations.	New Green New & Emerging	Y	New Green Task
47-4099.01	Solar Photovoltaic Installers	Apply weather sealing to array, building, or support mechanisms.	New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Assemble solar modules, panels, or support structures, as specified.			
47-4099.01	Solar Photovoltaic Installers		New Green New & Emerging	Υ	New Green Task
		Check electrical installation for proper wiring, polarity, grounding, or			
47-4099.01	Solar Photovoltaic Installers	integrity of terminations.	New Green New & Emerging	Y	New Green Task
		Compile or maintain records of system operation, performance, and			
47-4099.01	Solar Photovoltaic Installers	maintenance.	New Green New & Emerging	Υ	New Green Task
		Demonstrate system functionality and performance, including start-up,			
		shut-down, normal operation, and emergency or bypass operations.			
47-4099.01	Solar Photovoltaic Installers		New Green New & Emerging	Υ	New Green Task
		Determine appropriate sizes, ratings, and locations for all system			
		overcurrent devices, disconnect devices, grounding equipment, and surge			
47-4099.01	Solar Photovoltaic Installers	suppression equipment.	New Green New & Emerging	Y	New Green Task
		Determine connection interfaces for additional subpanels or for			
		connecting photovoltaic (PV) systems with utility services or other power	•		
47-4099.01	Solar Photovoltaic Installers	generation sources.	New Green New & Emerging	Y	New Green Task
		Determine materials, equipment, and installation sequences necessary to			
47-4099.01	Solar Photovoltaic Installers	maximize installation efficiency.	New Green New & Emerging	Y	New Green Task
		Determine photovoltaic (PV) system designs or configurations based on			
		factors such as customer needs, expectations, and site conditions.			
47-4099.01	Solar Photovoltaic Installers		New Green New & Emerging	Y	New Green Task
		Diagram layouts and locations for photovoltaic (PV) arrays and			
47-4099.01	Solar Photovoltaic Installers	equipment, including existing building or site features.	New Green New & Emerging	Y	New Green Task
		Examine designs to determine current requirements for all parts of the			
47-4099.01	Solar Photovoltaic Installers	photovoltaic (PV) system electrical circuit.	New Green New & Emerging	Υ	New Green Task
		Identify and resolve any deficiencies in photovoltaic (PV) system			
47-4099.01	Solar Photovoltaic Installers	installation or materials.	New Green New & Emerging	Υ	New Green Task
		Identify electrical, environmental, and safety hazards associated with			
47-4099.01	Solar Photovoltaic Installers	photovoltaic (PV) installations.	New Green New & Emerging	Υ	New Green Task
		Identify installation locations with proper orientation, area, solar access,			
47-4099.01	Solar Photovoltaic Installers	or structural integrity for photovoltaic (PV) arrays.	New Green New & Emerging	Υ	New Green Task
		Identify methods for laying out, orienting, and mounting modules or			
		arrays to ensure efficient installation, electrical configuration, or system			
47-4099.01	Solar Photovoltaic Installers	maintenance.	New Green New & Emerging	Υ	New Green Task
		Install active solar systems, including solar collectors, concentrators,			
47-4099.01	Solar Photovoltaic Installers	pumps, or fans.	New Green New & Emerging	Υ	New Green Task
		Install module array interconnect wiring, implementing measures to			
47-4099.01	Solar Photovoltaic Installers	disable arrays during installation.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Install photovoltaic (PV) systems in accordance with codes and standards			
47-4099.01	Solar Photovoltaic Installers	using drawings, schematics, and instructions.	New Green New & Emerging	Υ	New Green Task
47-4099.01	Solar Photovoltaic Installers	Install required labels on solar system components and hardware.	New Green New & Emerging	Y	New Green Task
		Measure and analyze system performance and operating parameters to			
47-4099.01	Solar Photovoltaic Installers	assess operating condition of systems or equipment.	New Green New & Emerging	Y	New Green Task
		Perform routine photovoltaic (PV) system maintenance on modules,			
		arrays, batteries, power conditioning equipment, safety systems, structura	1		
		systems, weather sealing, or balance of systems equipment.			
47-4099.01	Solar Photovoltaic Installers		New Green New & Emerging	Y	New Green Task
		Program, adjust, or configure inverters and controls for desired set points			
47-4099.01	Solar Photovoltaic Installers	and operating modes.	New Green New & Emerging	Y	New Green Task
		Select mechanical designs, installation equipment, or installation plans			
		that conform to environmental, architectural, structural, site, and code			
47-4099.01	Solar Photovoltaic Installers	requirements.	New Green New & Emerging	Y	New Green Task
		Test operating voltages to ensure operation within acceptable limits for			
		power conditioning equipment, such as inverters and controllers.			
	Solar Photovoltaic Installers		New Green New & Emerging	Y	New Green Task
47-4099.01	Solar Photovoltaic Installers	Visually inspect and test photovoltaic (PV) modules or systems.	New Green New & Emerging	Y	New Green Task
	Solar Thermal Installers and	Apply operation or identification tags or labels to system components, as			
47-4099.02	Technicians	required.	New Green New & Emerging	Y	New Green Task
	Solar Thermal Installers and	Apply ultraviolet radiation protection to prevent degradation of plumbing			
47-4099.02	Technicians		New Green New & Emerging	Y	New Green Task
.=	Solar Thermal Installers and	Apply weather seal, such as pipe flashings and sealants, to roof			
47-4099.02	Technicians	penetrations and structural devices.	New Green New & Emerging	Y	New Green Task
		Assess collector sites to ensure structural integrity of potential mounting			
47, 4000, 02	Solar Thermal Installers and	surfaces or the best orientation and tilt for solar collectors.			
47-4099.02	Technicians		New Green New & Emerging	Y	New Green Task
47, 4000, 02	Solar Thermal Installers and	Connect water heaters and storage tanks to power and water sources.	N 0 N 05		
47-4099.02	Technicians		New Green New & Emerging	Y	New Green Task
47, 4000, 02	Solar Thermal Installers and	Cut, miter, and glue piping insulation to insulate plumbing pipes and	N 0 N 05		
47-4099.02	Technicians	fittings.	New Green New & Emerging	Y	New Green Task
47 4000 02	Solar Thermal Installers and	Demonstrate start-up, shut-down, maintenance, diagnostic, and safety procedures to thermal system owners.	Now Cross Now & Emercia	V	Now Orean Tools
47-4099.02	Technicians		New Green New & Emerging	Y	New Green Task
47 4000 02	Solar Thermal Installers and Technicians	Design active direct or indirect, passive direct or indirect, or pool solar	Now Cross Now & Emercia	V	Now Orean Tools
47-4099.02		systems.	New Green New & Emerging	Y	New Green Task
47, 4000,00	Solar Thermal Installers and Technicians	Determine locations for installing solar subsystem components, including piping, water heaters, valves, and ancillary equipment.		V	Now Croon Took
47-4099.02	1 echnicians	piping, water neaters, varves, and anomary equipment.	New Green New & Emerging	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Solar Thermal Installers and	Fill water tanks and check tanks, pipes, and fittings for leaks.			
47-4099.02	Technicians		New Green New & Emerging	Υ	New Green Task
	Solar Thermal Installers and	Identify plumbing, electrical, environmental, or safety hazards associated			
47-4099.02	Technicians	with solar thermal installations.	New Green New & Emerging	Υ	New Green Task
	Solar Thermal Installers and	Install circulating pumps using pipe, fittings, soldering equipment,			
47-4099.02	Technicians	electrical supplies, and hand tools.	New Green New & Emerging	Υ	New Green Task
		Install copper or plastic plumbing using pipes, fittings, pipe cutters,			
	Solar Thermal Installers and	acetylene torches, solder, wire brushes, sand cloths, flux, plastic pipe			
47-4099.02	Technicians	cleaners, or plastic glue.	New Green New & Emerging	Y	New Green Task
	Solar Thermal Installers and	Install flat-plat, evacuated glass, or concentrating solar collectors on			
47-4099.02	Technicians	mounting devices, using brackets or struts.	New Green New & Emerging	Y	New Green Task
	Solar Thermal Installers and	Install heat exchangers and heat exchanger fluids according to installation			
47-4099.02	Technicians	manuals and schematics.	New Green New & Emerging	Y	New Green Task
		Install monitoring system components, such as flow meters, temperature			
	Solar Thermal Installers and	gauges, and pressure gauges, according to system design and			
47-4099.02	Technicians	manufacturer specifications.	New Green New & Emerging	Υ	New Green Task
		Install plumbing, such as dip tubes, port fittings, drain tank valves,			
	Solar Thermal Installers and	pressure temperature relief valves, or tanks, according to manufacturer			
47-4099.02	Technicians	specifications and building codes.	New Green New & Emerging	Y	New Green Task
		Install solar collector mounting devices on tile, asphalt, shingle, or built-			
	Solar Thermal Installers and	up gravel roofs, using appropriate materials and penetration methods.			
47-4099.02	Technicians		New Green New & Emerging	Y	New Green Task
	Solar Thermal Installers and	Install solar thermal system controllers and sensors.			
47-4099.02	Technicians		New Green New & Emerging	Υ	New Green Task
	Solar Thermal Installers and	Perform routine maintenance or repairs to restore solar thermal systems to			
47-4099.02	Technicians	baseline operating conditions.	New Green New & Emerging	Υ	New Green Task
	Solar Thermal Installers and	Test operation or functionality of mechanical, plumbing, electrical, and			
47-4099.02	Technicians	control systems.	New Green New & Emerging	Υ	New Green Task
	Weatherization Installers and	Apply insulation materials such as loose, blanket, board, and foam			
47-4099.03	Technicians	insulation to attics, crawl spaces, basements, or walls.	New Green New & Emerging	Υ	New Green Task
	Weatherization Installers and	Apply spackling, compounding, or other materials to repair holes in walls			
47-4099.03	Technicians		New Green New & Emerging	Υ	New Green Task
	Weatherization Installers and	Clean and maintain tools and equipment.			
47-4099.03	Technicians		New Green New & Emerging	Υ	New Green Task
	Weatherization Installers and	Contact residents or building owners to schedule appointments.			
47-4099.03	Technicians		New Green New & Emerging	Υ	New Green Task
	Weatherization Installers and	Explain energy conservation measures, such as the use of low flow			
47-4099.03	Technicians	showerheads and energy efficient lighting.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Weatherization Installers and	Explain recommendations, policies, procedures, requirements, or other			VI
47-4099.03	Technicians	related information to residents or building owners.	New Green New & Emerging	Y	New Green Task
	Weatherization Installers and	Inspect buildings to identify required weatherization measures, including			
47-4099.03	Technicians	repair work, modification, or replacement.	New Green New & Emerging	Υ	New Green Task
	Weatherization Installers and	Install and seal air ducts, combustion air openings, or ventilation openings	s		
47-4099.03	Technicians	to improve heating and cooling efficiency.	New Green New & Emerging	Υ	New Green Task
	Weatherization Installers and	Install storm windows or storm doors and verify proper fit.			
47-4099.03	Technicians		New Green New & Emerging	Y	New Green Task
	Weatherization Installers and	Maintain activity logs, financial transaction logs, or other records of			
47-4099.03	Technicians	weatherization work performed.	New Green New & Emerging	Υ	New Green Task
	Weatherization Installers and	Make minor repairs using basic hand or power tools and materials, such			
47-4099.03	Technicians	as glass, lumber, and drywall.	New Green New & Emerging	Y	New Green Task
	Weatherization Installers and	Prepare and apply weather-stripping, glazing, caulking, or door sweeps to			
47-4099.03	Technicians	reduce energy losses.	New Green New & Emerging	Y	New Green Task
	Weatherization Installers and	Prepare cost estimates or specifications for rehabilitation or			
47-4099.03	Technicians	weatherization services.	New Green New & Emerging	Y	New Green Task
	Weatherization Installers and	Prepare or assist in the preparation of bids, contracts, or written reports			
47-4099.03	Technicians	related to weatherization work.	New Green New & Emerging	Y	New Green Task
		Recommend weatherization techniques to clients in accordance with			
	Weatherization Installers and	needs and applicable energy regulations, codes, policies, or statutes.			
47-4099.03	Technicians		New Green New & Emerging	Y	New Green Task
	Weatherization Installers and	Test and diagnose air flow systems, using furnace efficiency analysis			
47-4099.03	Technicians	equipment.	New Green New & Emerging	Y	New Green Task
	Weatherization Installers and	Wrap air ducts and water lines with insulating materials, such as duct			
47-4099.03	Technicians	wrap and pipe insulation.	New Green New & Emerging	Y	New Green Task
.=	Weatherization Installers and	Wrap water heaters with water heater blankets.			
47-4099.03	Technicians		New Green New & Emerging	Y	New Green Task
47 5012 00	Service Unit Operators, Oil, Gas,	Close and seal wells no longer in use.			
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
47 5012 00	Service Unit Operators, Oil, Gas,	Confer with others to gather information regarding pipe or tool sizes or borehole conditions in wells.			
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
		Direct drilling crews performing activities such as assembling and			
47 5012 00	Service Unit Operators, Oil, Gas,	connecting pipe, applying weights to drill pipes, or drilling around lodged obstacles.			New Owner Teels
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
47 5012 00	Service Unit Operators, Oil, Gas,	Drive truck-mounted units to well sites.	Cross Espansed Skills	NI.	Non Croon Took
47-3013.00	and Mining	Examine unserviceable wells to determine actions to be taken to improve	Green Enhanced Skills	N	Non-Green Task
47 5013 00	Service Unit Operators, Oil, Gas, and Mining	examine unserviceable wells to determine actions to be taken to improve well conditions.	Green Enhanced Skills	N	Non-Green Task
47-3013.00	and mining	well collultions.	Green Ennanced Skills	IN	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Service Unit Operators, Oil, Gas,	Insert detection instruments into wells with obstructions.			VI
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Install pressure-control devices onto wellheads.			
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Interpret instrument readings to ascertain the depth of obstruction.			
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Listen to engines, rotary chains, or other equipment to detect faulty			
47-5013.00	and Mining	operations or unusual well conditions.	Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Maintain and perform safety inspections on equipment and tools.			
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Monitor sound wave generating or detecting mechanisms to determine			
47-5013.00	and Mining	well fluid levels.	Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Operate controls that raise derricks or level rigs.			
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
		Operate pumps that circulate water, oil, or other fluids through wells to			
	Service Unit Operators, Oil, Gas,	remove sand or other materials obstructing the free flow of oil.			
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Operate specialized equipment to remove obstructions by backing-off or			
47-5013.00	and Mining	severing pipes by chemical or explosive action.	Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Perforate well casings or sidewalls of boreholes with explosive charges.			
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Prepare reports of services rendered, tools used, or time required, for			
47-5013.00	and Mining	billing purposes.	Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Select fishing methods or tools for removing obstacles such as liners,			
47-5013.00	and Mining	broken casing, screens, or drill pipe.	Green Enhanced Skills	N	Non-Green Task
	Service Unit Operators, Oil, Gas,	Thread cables through derrick pulleys, using hand tools.			
47-5013.00	and Mining		Green Enhanced Skills	N	Non-Green Task
		Apply green technologies or techniques such as the use of coiled tubing,			
	Service Unit Operators, Oil, Gas,	slim-hole drilling, horizontal drilling, hydraulic fracturing, or gas lift			
47-5013.00	and Mining	systems.	Green Enhanced Skills	Υ	New Green Task
	Continuous Mining Machine	Check the stability of roof and rib support systems before mining face			
47-5041.00	_	areas.	Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Conduct methane gas checks to ensure breathing quality of air.			
47-5041.00	-		Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Determine locations, boundaries, and depths of holes or channels to be			
47-5041.00	-	cut.	Green Enhanced Skills	N	Non-Green Task
45 5044 00	Continuous Mining Machine	Drive machines into position at working faces.			
47-5041.00	Operators		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Continuous Mining Machine	Guide and assist crews laying track and resetting supports and blocking.			
47-5041.00	Operators		Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Hang ventilation tubing and ventilation curtains to ensure that the mining			
47-5041.00	Operators	face area is kept properly ventilated.	Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Install casings to prevent cave-ins.			
47-5041.00	Operators		Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Move controls to start and regulate movement of conveyors and to start			
47-5041.00	Operators	and position drill cutters or torches.	Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Move levers to raise and lower hydraulic safety bars supporting roofs			
47-5041.00	Operators	above machines until other workers complete framing.	Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Observe and listen to equipment operation to detect binding or stoppage			
47-5041.00	Operators	of tools or other equipment malfunctions.	Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Operate mining machines to gather coal and convey it to floors or shuttle			
47-5041.00	Operators	cars.	Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Repair, oil, and adjust machines, and change cutting teeth, using			
47-5041.00	Operators	wrenches.	Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Reposition machines to make additional holes or cuts.			
47-5041.00	Operators		Green Enhanced Skills	N	Non-Green Task
	Continuous Mining Machine	Apply new technologies developed to minimize the environmental impact			
47-5041.00	Operators	of coal mining.	Green Enhanced Skills	Υ	New Green Task
	Continuous Mining Machine	Scrape or wash conveyors, using belt scrapers or belt washers, to			
47-5041.00	Operators	minimize dust production.	Green Enhanced Skills	Υ	New Green Task
		Align wheels, axles, frames, torsion bars, and steering mechanisms of			
		automobiles, using special alignment equipment and wheel-balancing			
49-3023.02	Automotive Specialty Technicians	machines.	Green Enhanced Skills	N	Non-Green Task
		Estimate costs of vehicle repair.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	N	Non-Green Task
		Inspect vehicles for damage and record findings so that necessary repairs			
49-3023.02	Automotive Specialty Technicians	can be made.	Green Enhanced Skills	N	Non-Green Task
		Install or repair air conditioners and service components, such as			
49-3023.02	Automotive Specialty Technicians	compressors, condensers, and controls.	Green Enhanced Skills	N	Non-Green Task
		Install, adjust, or repair hydraulic or electromagnetic automatic lift			
		mechanisms used to raise and lower automobile windows, seats, and tops.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	N	Non-Green Task
		Rebuild, repair, or test automotive fuel injection units.			
49-3023.02	Automotive Specialty Technicians	-	Green Enhanced Skills	N	Non-Green Task
		Repair or rebuild clutch systems.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Repair or replace automobile leaf springs.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	N	Non-Green Task
		Repair or replace defective ball joint suspensions, brake shoes, or wheel			
49-3023.02	Automotive Specialty Technicians	bearings.	Green Enhanced Skills	N	Non-Green Task
		Repair, overhaul, or adjust automobile brake systems.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	N	Non-Green Task
		Repair, replace, or adjust defective fuel injectors, carburetor parts, and			
49-3023.02	Automotive Specialty Technicians	gasoline filters.	Green Enhanced Skills	N	Non-Green Task
		Replace defective mufflers and tailpipes.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	N	Non-Green Task
		Test electronic computer components in automobiles to ensure proper			
49-3023.02	Automotive Specialty Technicians	operation.	Green Enhanced Skills	N	Non-Green Task
		Troubleshoot fuel, ignition, and emissions control systems, using			
49-3023.02	Automotive Specialty Technicians	electronic testing equipment.	Green Enhanced Skills	N	Non-Green Task
		Tune automobile engines to ensure proper and efficient functioning.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	Y	Existing Green Task
		Convert vehicle fuel systems from gasoline to butane gas, ethanol,			
49-3023.02	Automotive Specialty Technicians	methane, or other alternative or biofuel systems.	Green Enhanced Skills	Y	New Green Task
		Service or repair butane gas, ethanol, methane, or other alternative or			
49-3023.02	Automotive Specialty Technicians	biofuel systems.	Green Enhanced Skills	Y	New Green Task
		Change spark plugs, fuel filters, air filters, and batteries in hybrid electric			
49-3023.02	Automotive Specialty Technicians	vehicles.	Green Enhanced Skills	Y	New Green Task
		Conduct visual inspections of compressed natural gas fuel systems to			
		identify cracks, gouges, abrasions, discoloration, broken fibers, loose			
49-3023.02	Automotive Specialty Technicians	brackets, damaged gaskets, or other problems.	Green Enhanced Skills	Y	New Green Task
		Diagnose and repair regenerative braking systems or hydraulic systems in			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	Y	New Green Task
		Diagnose and replace or repair engine management systems or related			
		sensors for flexible fuel vehicles (FFVs) with ignition timing, fuel rate,			
		alcohol concentration, or air-to-fuel ratio malfunctions.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	Y	New Green Task
		Inspect propane or natural gas high-pressure tanks, piping, or pressure			
49-3023.02	Automotive Specialty Technicians	regulators.	Green Enhanced Skills	Y	New Green Task
		Replace hydraulically assisted systems with electric-powered systems,			
		such as power steering pumps or air conditioning compressors, to improve	e e		
49-3023.02	Automotive Specialty Technicians	fuel economy.	Green Enhanced Skills	Y	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Retrofit vehicle fuel systems with aftermarket products, such as vapor			
		transfer devices, evaporation control devices, swirlers, lean burn devices,			
		or friction reduction devices, to enhance combustion and fuel efficiency.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	Y	New Green Task
		Service biodiesel fuel tanks for algae or sludge accumulation by cleaning,			
49-3023.02	Automotive Specialty Technicians	changing filters, or adding algaecides.	Green Enhanced Skills	Y	New Green Task
		Service internal combustion engine systems for hybrid electric vehicles.			
49-3023.02	Automotive Specialty Technicians		Green Enhanced Skills	Y	New Green Task
	Heating and Air Conditioning	Adjust system controls to settings recommended by manufacturer to			
49-9021.01	Mechanics and Installers	balance system.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Assemble, position, and mount heating or cooling equipment, following			
49-9021.01	Mechanics and Installers	blueprints or manufacturer's specifications.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Comply with all applicable standards, policies, or procedures, such as			
49-9021.01	Mechanics and Installers	safety procedures or the maintenance of a clean work area.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Connect heating or air conditioning equipment to fuel, water, or			
49-9021.01	Mechanics and Installers	refrigerant source to form complete circuit.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Cut or drill holes in floors, walls, or roof to install equipment, using			
49-9021.01	Mechanics and Installers	power saws or drills.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Discuss heating or cooling system malfunctions with users to isolate			
49-9021.01	Mechanics and Installers	problems or to verify that repairs corrected malfunctions.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Fabricate, assemble, or install duct work or chassis parts, using portable			
49-9021.01	Mechanics and Installers	metal-working tools or welding equipment.	Green Enhanced Skills	N	Non-Green Task
10 0001 01	Heating and Air Conditioning	Inspect and test system to verify system compliance with plans and			
49-9021.01	Mechanics and Installers	specifications or to detect and locate malfunctions.	Green Enhanced Skills	N	Non-Green Task
		Install auxiliary components to heating or cooling equipment, such as			
40,0001,01	Heating and Air Conditioning	expansion or discharge valves, air ducts, pipes, blowers, dampers, flues, or stokers.	0 5 1 101 11		
49-9021.01	Mechanics and Installers		Green Enhanced Skills	N	Non-Green Task
40 0021 01	Heating and Air Conditioning Mechanics and Installers	Install, connect, or adjust thermostats, humidistats, or timers.	One of Fahanaad Okilla		New Owen Teels
49-9021.01	Mechanics and Installers		Green Enhanced Skills	N	Non-Green Task
	W 1 A. C. 10.	Lay out and connect electrical wiring between controls and equipment, according to wiring diagrams, using electrician's hand tools.			
40 0021 01	Heating and Air Conditioning	according to wiring diagrams, using electrician's nand tools.	Crear Enhanced Chille	N	Non Casas Tools
49-9021.01	Mechanics and Installers	Management through on hand nine on tubing voing nine fitted to 1	Green Enhanced Skills	N	Non-Green Task
40 0021 01	Heating and Air Conditioning	Measure, cut, thread, or bend pipe or tubing, using pipe fitter's tools.	Croon Enhanced Chille	N.I	Non Croon Task
49-9021.01	Mechanics and Installers	December 1 december 2 and 1 december 2 a	Green Enhanced Skills	N	Non-Green Task
	Harding and Ain C. 177	Recommend, develop, or perform preventive or general maintenance procedures, such as cleaning, power-washing, or vacuuming equipment,			
40 0021 01	Heating and Air Conditioning Mechanics and Installers	oiling parts, or changing filters.	Croon Enhanced Chille	N.I	Non Croon Task
49-9021.01	Mechanics and installers	oning parts, or changing micrs.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Heating and Air Conditioning	Record and report time, materials, faults, deficiencies, and other unusual			
49-9021.01	Mechanics and Installers	occurrences on work orders.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Repair or replace defective equipment, components, or wiring.			
49-9021.01	Mechanics and Installers		Green Enhanced Skills	N	Non-Green Task
		Study blueprints, design specifications, or manufacturers'			
		recommendations to ascertain the configuration of heating or cooling			
	Heating and Air Conditioning	equipment components and to ensure the proper installation of			
49-9021.01	Mechanics and Installers	components.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Test electrical circuits or components for continuity, using electrical test			
49-9021.01	Mechanics and Installers	equipment.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Test pipe or tubing joints or connections for leaks, using pressure gauge			
49-9021.01	Mechanics and Installers	or soap-and-water solution.	Green Enhanced Skills	N	Non-Green Task
	Heating and Air Conditioning	Wrap pipes, securing insulation in place with cement or wire bands.			
49-9021.01	Mechanics and Installers		Green Enhanced Skills	N	Non-Green Task
		Install and test automatic, programmable, or wireless thermostats in			
	Heating and Air Conditioning	residential or commercial buildings to minimize energy usage for heating			
49-9021.01	Mechanics and Installers	or cooling.	Green Enhanced Skills	Y	New Green Task
	Heating and Air Conditioning	Install dehumidifiers or related equipment for spaces that require cool, dry			
49-9021.01	Mechanics and Installers	air to operate efficiently, such as computer rooms.	Green Enhanced Skills	Y	New Green Task
		Install magnetic-centrifugal chillers, compressors, or related equipment to			
	Heating and Air Conditioning	cool air temperatures through the use of recirculating water.			
49-9021.01	Mechanics and Installers		Green Enhanced Skills	Y	New Green Task
	Heating and Air Conditioning	Install or repair air purification systems, such as specialized filters or			
49-9021.01	Mechanics and Installers	ultraviolet (UV) light purification systems.	Green Enhanced Skills	Y	New Green Task
		Install or repair self-contained ground source heat pumps or hybrid			
	Heating and Air Conditioning	ground or air source heat pumps to minimize carbon-based energy			
49-9021.01	Mechanics and Installers	consumption and reduce carbon emissions.	Green Enhanced Skills	Y	New Green Task
	Heating and Air Conditioning	Install radiator controls for room-level zone control heating of residential			
49-9021.01	Mechanics and Installers	or commercial buildings.	Green Enhanced Skills	Y	New Green Task
		Repair or service heating, ventilating, and air conditioning (HVAC)			
	Heating and Air Conditioning	systems to improve efficiency, such as by changing filters, cleaning ducts	,		
49-9021.01	Mechanics and Installers	or refilling non-toxic refrigerants.	Green Enhanced Skills	Y	New Green Task
	Maintenance and Repair Workers,	Adjust functional parts of devices or control instruments, using hand			
49-9042.00		tools, levels, plumb bobs, or straightedges.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Align and balance new equipment after installation.			
49-9042.00			Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Assemble, install, or repair wiring, electrical or electronic components,			
49-9042.00	General	pipe systems, plumbing, machinery, or equipment.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Maintenance and Repair Workers,	Clean or lubricate shafts, bearings, gears, or other parts of machinery.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
		Diagnose mechanical problems and determine how to correct them,			
	Maintenance and Repair Workers,	checking blueprints, repair manuals, or parts catalogs, as necessary.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Dismantle machines, equipment, or devices to access and remove			
49-9042.00	General	defective parts, using hoists, cranes, hand tools, or power tools.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Estimate costs to repair machinery, equipment, or building structures.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Fabricate or repair counters, benches, partitions, or other wooden			
49-9042.00	General	structures, such as sheds or outbuildings.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Grind and reseat valves, using valve-grinding machines.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
		Inspect used parts to determine changes in dimensional requirements,			
	Maintenance and Repair Workers,	using rules, calipers, micrometers, or other measuring instruments.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Inspect, operate, or test machinery or equipment to diagnose machine			
49-9042.00	General	malfunctions.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Lay brick to repair or maintain buildings, walls, arches, or other			
49-9042.00	General	structures.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Maintain or repair specialized equipment or machinery located in			
49-9042.00	General	cafeterias, laundries, hospitals, stores, offices, or factories.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Operate cutting torches or welding equipment to cut or join metal parts.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Order parts, supplies, or equipment from catalogs or suppliers.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Paint or repair roofs, windows, doors, floors, woodwork, plaster, drywall,			
49-9042.00	General	or other parts of building structures.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Perform general cleaning duties of buildings or properties.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
		Perform routine maintenance, such as inspecting drives, motors, or belts,			
	Maintenance and Repair Workers,	checking fluid levels, replacing filters, or doing other preventive			
49-9042.00	General	maintenance actions.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Plan and lay out repair work, using diagrams, drawings, blueprints,			
49-9042.00	_	maintenance manuals, or schematic diagrams.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Provide groundskeeping services, such as landscaping or snow removal.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Maintenance and Repair Workers,	Record type and cost of maintenance or repair work.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
		Repair machines, equipment, or structures, using tools such as hammers,			
		hoists, saws, drills, wrenches, or equipment such as precision measuring			
	Maintenance and Repair Workers,	instruments or electrical or electronic testing devices.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Set up and operate machine tools to repair or fabricate machine parts, jigs	5,		
49-9042.00	General	fixtures, or tools.	Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Test and treat water supply.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Train or manage maintenance personnel or subcontractors.			
49-9042.00	General		Green Enhanced Skills	N	Non-Green Task
	Maintenance and Repair Workers,	Assemble boilers at installation sites, using tools such as levels, plumb			
49-9042.00	General	bobs, hammers, torches, or other hand tools.	Green Enhanced Skills	Υ	New Green Task
	Maintenance and Repair Workers,	Install equipment to improve the energy or operational efficiency of			
49-9042.00	General	residential or commercial buildings.	Green Enhanced Skills	Υ	New Green Task
		Perform routine maintenance on boilers, such as replacing burners or			
	Maintenance and Repair Workers,	hoses, installing replacement parts, or reinforcing structural weaknesses to	c		
49-9042.00	General	ensure optimal boiler efficiency.	Green Enhanced Skills	Υ	New Green Task
	Maintenance and Repair Workers,	Position, attach, or blow insulating materials to prevent energy losses			
49-9042.00	General	from buildings, pipes, or other structures or objects.	Green Enhanced Skills	Υ	New Green Task
		Adjust power production systems to meet load and distribution demands.			
49-9099.01	Geothermal Technicians		New Green New & Emerging	Υ	New Green Task
		Apply coatings or operate systems to mitigate corrosion of geothermal			
49-9099.01	Geothermal Technicians	plant equipment or structures.	New Green New & Emerging	Υ	New Green Task
49-9099.01	Geothermal Technicians	Backfill piping trenches to protect pipes from damage.	New Green New & Emerging	Y	New Green Task
		Calculate heat loss and heat gain factors for residential properties to			
		determine heating and cooling required by installed geothermal systems.			
49-9099.01	Geothermal Technicians		New Green New & Emerging	Υ	New Green Task
		Collect and record data associated with operating geothermal power			
49-9099.01	Geothermal Technicians	plants or well fields.	New Green New & Emerging	Υ	New Green Task
		Design and lay out geothermal heat systems according to property			
		characteristics, heating and cooling requirements, piping and equipment			
49-9099.01	Geothermal Technicians	requirements, applicable regulations, or other factors.	New Green New & Emerging	Υ	New Green Task
		Determine the type of geothermal loop system most suitable to a specific			
49-9099.01	Geothermal Technicians	property and its heating and cooling needs.	New Green New & Emerging	Υ	New Green Task
		Determine whether emergency or auxiliary systems will be needed to kee	ī		
49-9099.01	Geothermal Technicians	properties heated or cooled in extreme weather conditions.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Dig trenches for system piping to appropriate depths and lay piping in			
49-9099.01	Geothermal Technicians	trenches.	New Green New & Emerging	Υ	New Green Task
		Identify and correct malfunctions of geothermal plant equipment,			
49-9099.01	Geothermal Technicians	electrical systems, instrumentation, or controls.	New Green New & Emerging	Υ	New Green Task
		Identify equipment options, such as compressors, and make appropriate			
49-9099.01	Geothermal Technicians	selections.	New Green New & Emerging	Υ	New Green Task
		Install and maintain geothermal plant electrical protection equipment.			
	Geothermal Technicians		New Green New & Emerging	Y	New Green Task
49-9099.01	Geothermal Technicians	Install and maintain geothermal system instrumentation or controls.	New Green New & Emerging	Y	New Green Task
		Install, maintain, or repair ground or water source-coupled heat pumps to			
		heat and cool residential or commercial building air or water.			
49-9099.01	Geothermal Technicians		New Green New & Emerging	Υ	New Green Task
		Integrate hot water heater systems with geothermal heat exchange			
49-9099.01	Geothermal Technicians	systems.	New Green New & Emerging	Y	New Green Task
		Maintain electrical switchgear, process controls, transmitters, gauges, and			
		control equipment in accordance with geothermal plant procedures.			
49-9099.01	Geothermal Technicians		New Green New & Emerging	Y	New Green Task
		Maintain, calibrate, or repair plant instrumentation, control, and electronic			
49-9099.01	Geothermal Technicians	devices in geothermal plants.	New Green New & Emerging	Y	New Green Task
		Monitor and adjust operations of geothermal power plant equipment or			
49-9099.01	Geothermal Technicians	systems.	New Green New & Emerging	Y	New Green Task
		Operate equipment such as excavators, backhoes, rock hammers, trench			
		compactors, pavement saws, grout mixers or pumps, geothermal loop			
49-9099.01	Geothermal Technicians	reels, and coil tubing units (CTU).	New Green New & Emerging	Y	New Green Task
		Perform pre- and post-installation pressure, flow, and related tests of			
49-9099.01	Geothermal Technicians	vertical and horizontal geothermal loop piping.	New Green New & Emerging	Y	New Green Task
40,0000,01		Place geothermal system pipes in bodies of water, weighting them to		.,	
49-9099.01	Geothermal Technicians	allow them to sink into position.	New Green New & Emerging	Y	New Green Task
40,0000,01		Prepare and maintain logs, reports, or other documentation of work		.,	
49-9099.01	Geothermal Technicians	performed.	New Green New & Emerging	Y	New Green Task
40,0000,01	Cooth and Toolering	Prepare newly installed geothermal heat systems for operation by	Nave Care a Nave & Farancia a	V	Name One and Table
49-9099.01	Geothermal Technicians	flushing, purging, or other actions.	New Green New & Emerging	Y	New Green Task
40,0000,01	Coathamad Tachnician	Test water sources for factors such as flow volume and contaminant	Navy Crass Navy 8 Emparation	V	New Creen Teels
49-9099.01	Geothermal Technicians	presence.	New Green New & Emerging	Y	New Green Task
		Verify that piping placed in bodies of water is situated to prevent damage to aquaculture and away from potential sources of harm, such as boat			
40,0000,01	Goothermal Technicians	anchors.	Now Cross Now & Emersia	V	Now Croop Took
49-9099.01	Geothermal Technicians	anchors.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Weld piping, such as high density polyethylene (HDPE) piping, using			VI
		techniques such as butt, socket, side-wall, and electro-fusion welding.			
49-9099.01	Geothermal Technicians		New Green New & Emerging	Y	New Green Task
		Assist in assembly of individual wind generators or construction of wind			
49-9099.02	Wind Turbine Service Technicians	,	New Green New & Emerging	Y	New Green Task
		Climb wind turbine towers to inspect, maintain, or repair equipment.			
49-9099.02	Wind Turbine Service Technicians		New Green New & Emerging	Y	New Green Task
		Collect turbine data for testing or research and analysis.			
49-9099.02	Wind Turbine Service Technicians		New Green New & Emerging	Y	New Green Task
		Diagnose problems involving wind turbine generators or control systems.			
49-9099.02	Wind Turbine Service Technicians		New Green New & Emerging	Y	New Green Task
		Inspect or repair fiberglass turbine blades.	and the second s	-	
49-9099.02	Wind Turbine Service Technicians	Transfer of the state of the st	New Green New & Emerging	Y	New Green Task
		Maintain tool and spare parts inventories required for repair, installation,			
49-9099.02	Wind Turbine Service Technicians		New Green New & Emerging	Y	New Green Task
		Operate manufacturing equipment to fabricate wind turbines.	and the second s	-	
49-9099.02	Wind Turbine Service Technicians	S T I	New Green New & Emerging	Y	New Green Task
		Perform routine maintenance on wind turbine equipment, underground	and the second s	-	
		transmission systems, wind fields substations, or fiber optic sensing and			
49-9099.02	Wind Turbine Service Technicians	control systems.	New Green New & Emerging	Y	New Green Task
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Start or restart wind turbine generator systems to ensure proper	rion cross rion a zinerging		Tron Groom ruon
49-9099.02	Wind Turbine Service Technicians		New Green New & Emerging	Y	New Green Task
.,,,,,,,,		Test electrical components of wind systems with devices such as voltage	The state of the s		Tron Groom raon
		testers, multimeters, oscilloscopes, infrared testers, or fiber optic			
49-9099.02	Wind Turbine Service Technicians	• • • • • • • • • • • • • • • • • • • •	New Green New & Emerging	Y	New Green Task
.,,,,,,,,	Wind Tareme Service Teemmerans	Test structures, controls, or mechanical, hydraulic, or electrical systems,	Trem Green Hen & Emerging		Troil Groom rack
49-9099.02	Wind Turbine Service Technicians		New Green New & Emerging	Y	New Green Task
.,,,,,,,,		Train end-users, distributors, installers, or other technicians in wind	The state of the s		Tron Groom rack
49-9099.02	Wind Turbine Service Technicians	commissioning, testing, or other technical procedures.	New Green New & Emerging	Y	New Green Task
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Troubleshoot or repair mechanical, hydraulic, or electrical malfunctions	rion cross rion a zinerging		Tron Groom ruen
		related to variable pitch systems, variable speed control systems, converted	2		
49-9099 02	Wind Turbine Service Technicians		New Green New & Emerging	Y	New Green Task
., ,0,,,,02		Adjust, repair, rework, or replace parts or assemblies to ensure proper	Groom How & Emerging	'	Oroon raon
	Aircraft Structure, Surfaces,	operation.			
51-2011 00	Rigging, and Systems Assemblers	******	Green Enhanced Skills	N	Non-Green Task
21 2011.00		Align, fit, assemble, connect, or install system components, using jigs,	C. Con Emanosa Olano	14	Groom raok
	Aircraft Structure, Surfaces,	fixtures, measuring instruments, hand tools, or power tools.			
51-2011 00	Rigging, and Systems Assemblers	,	Green Enhanced Skills	N	Non-Green Task
21 2011.00	111551115, and Dysteins 7 tosemblers	1	Croon Emilancea Okins	1 1	14011 OTCOTT TASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Assemble parts, fittings, or subassemblies on aircraft, using layout tools,			
	Aircraft Structure, Surfaces,	hand tools, power tools, or fasteners, such as bolts, screws, rivets, or			
51-2011.00	Rigging, and Systems Assemblers	clamps.	Green Enhanced Skills	N	Non-Green Task
		Assemble prefabricated parts to form subassemblies.			
	Aircraft Structure, Surfaces,				
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Attach brackets, hinges, or clips to secure or support components or			
	Aircraft Structure, Surfaces,	subassemblies, using bolts, screws, rivets, chemical bonding, or welding.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Clean, oil, or coat system components as necessary before assembly or			
	Aircraft Structure, Surfaces,	attachment.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Cut cables and tubing, using master templates, measuring instruments,			
	Aircraft Structure, Surfaces,	and cable cutters or saws.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Cut, trim, file, bend, or smooth parts to ensure proper fit and clearance.			
<b>51 2011 00</b>	Aircraft Structure, Surfaces,				
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
	A: 6.6.	Fabricate parts needed for assembly or installation, using shop machinery			
£1 2011 00	Aircraft Structure, Surfaces,	or equipment.	One on Early and Allilla	N.	New Owen Teels
51-2011.00	Rigging, and Systems Assemblers	Fit and fasten sheet metal coverings to surface areas or other sections of	Green Enhanced Skills	N	Non-Green Task
	Aire and the Column street County	aircraft prior to welding or riveting.			
51 2011 00	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	alicial prior to welding of fivening.	Green Enhanced Skills	N	Non-Green Task
31-2011.00	Rigging, and Systems Assemblers	Inspect or test installed units, parts, systems, or assemblies for fit,	Green Ennanced Skills	IN	Non-Green rask
	Aircraft Structure, Surfaces,	alignment, performance, defects, or compliance with standards, using			
51-2011 00	Rigging, and Systems Assemblers	measuring instruments or test equipment.	Green Enhanced Skills	N	Non-Green Task
31 2011.00	rigging, and bystems rissemoters	Install accessories in swaging machines, using hand tools.	Green Ermaneed Okins	11	Non-Orcen rask
	Aircraft Structure, Surfaces,	instant accessories in swaging machines, using hand tools.			
51-2011 00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
2.1 2011.00	Tagong, and Systems Hosemblers	Install mechanical linkages and actuators, using tensiometers to verify	CTOST ETHICHOCK CKING	14	TOTAL STOOM TOOK
	Aircraft Structure, Surfaces,	tension of cables.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
	66 6, 2 January	Join structural assemblies, such as wings, tails, or fuselage.			
	Aircraft Structure, Surfaces,	g-,,			
51-2011 00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Layout and mark reference points and locations for installation of parts or			
	Aircraft Structure, Surfaces,	components, using jigs, templates, or measuring and marking instruments			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Manually install structural assemblies or signal crane operators to position	1		
	Aircraft Structure, Surfaces,	assemblies for joining.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Mark identifying information on tubing or cable assemblies, using etching	7		
	Aircraft Structure, Surfaces,	devices, labels, rubber stamps, or other methods.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Place and connect control cables to electronically controlled units, using			
	Aircraft Structure, Surfaces,	hand tools, ring locks, cotter keys, threaded connectors, turnbuckles, or			
51-2011.00	Rigging, and Systems Assemblers	related devices.	Green Enhanced Skills	N	Non-Green Task
		Position and align subassemblies in jigs or fixtures, using measuring			
	Aircraft Structure, Surfaces,	instruments and following blueprint lines and index points.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Read blueprints, illustrations, or specifications to determine layouts,			
	Aircraft Structure, Surfaces,	sequences of operations, or identities or relationships of parts.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Set up or operate machines or systems to crimp, cut, bend, form, swage,			
	Aircraft Structure, Surfaces,	flare, bead, burr, or straighten tubing, according to specifications.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Set, align, adjust, or synchronize aircraft armament or rigging or control			
	Aircraft Structure, Surfaces,	system components to established tolerances or requirements using			
51-2011.00	Rigging, and Systems Assemblers	sighting devices and hand tools.	Green Enhanced Skills	N	Non-Green Task
		Splice cables, using clamps and fittings, or reweave cable strands.			
	Aircraft Structure, Surfaces,				
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Swage fittings onto cables, using swaging machines.			
	Aircraft Structure, Surfaces,				
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Verify dimensions of cable assemblies or positions of fittings, using			
	Aircraft Structure, Surfaces,	measuring instruments.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task
		Weld tubing and fittings or solder cable ends, using tack-welders,			
	Aircraft Structure, Surfaces,	induction brazing chambers, or other equipment.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Assemble prototypes or integrated-technology demonstrators of new or			
	Aircraft Structure, Surfaces,	emerging environmental technologies for aircraft.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	Y	New Green Task
		Capture or segregate waste material, such as aluminum swarf, machine			
	Aircraft Structure, Surfaces,	cutting fluid, or solvents, for recycling or environmentally responsible			
51-2011.00	Rigging, and Systems Assemblers	disposal.	Green Enhanced Skills	Y	New Green Task
		Clean aircraft structures, parts, or components, using aqueous, semi-			
		aqueous, aliphatic hydrocarbon, or organic solvent cleaning products or			
	Aircraft Structure, Surfaces,	techniques to reduce carbon or other harmful emissions.			
51-2011.00	Rigging, and Systems Assemblers		Green Enhanced Skills	Y	New Green Task
	28 8, 4 4 4 , 4 4 4	Monitor robotic assembly equipment, such as snake-arm robots, used to			
	Aircraft Structure, Surfaces,	assemble, seal, or swage aircraft structures.			
51-2011.00	Rigging, and Systems Assemblers	, , ,	Green Enhanced Skills	Y	New Green Task
51-4041.00		Advise clients about the materials being used for finished products.	Green Enhanced Skills	N	Non-Green Task
01 .0.11.00		Align and secure holding fixtures, cutting tools, attachments, accessories,	Green Ermaneed Grane		Tron Groon rack
51-4041.00	Machinists	or materials onto machines.	Green Enhanced Skills	N	Non-Green Task
31 1011.00	Tracining to	Calculate dimensions or tolerances, using instruments such as	Green Ennanced Grans	- 10	THOM STOCK TOOK
51-4041.00	Machinists	micrometers or vernier calipers.	Green Enhanced Skills	N	Non-Green Task
31 4041.00	With the state of	Check work pieces to ensure that they are properly lubricated or cooled.	Green Ennanced Grins	11	Non Orcen rask
51-4041.00	Machinists	check work pieces to ensure that they are properly indirected or cooled.	Green Enhanced Skills	N	Non-Green Task
31-4041.00	Wideminists	Confer with engineering, supervisory, or manufacturing personnel to	Green Ennanced Skills	IN	Non-Green Task
51-4041.00	Machinists	exchange technical information.	Green Enhanced Skills	N	Non-Green Task
31-4041.00	Wideminsts	Confer with numerical control programmers to check and ensure that new		IN	Non-Green rask
		programs or machinery will function properly and that output will meet			
51-4041.00	Machinists	specifications.	Green Enhanced Skills	N	Non-Green Task
31-4041.00	Macminists	Design fixtures, tooling, or experimental parts to meet special engineering		IN	Non-Green Task
51-4041.00	Machinists	needs.	Green Enhanced Skills	N	Non-Green Task
31-4041.00	Waciiiiists	Diagnose machine tool malfunctions to determine need for adjustments or		IN	Non-Green Task
51 4041 00	Madainia	repairs.			Nam One en Table
51-4041.00	Machinists	1	Green Enhanced Skills	N	Non-Green Task
		Dismantle machines or equipment, using hand tools or power tools to			
<b>71</b> 1011 00		examine parts for defects and replace defective parts where needed.			
51-4041.00	Machinists		Green Enhanced Skills	N	Non-Green Task
<b>#4</b> 4044 00		Establish work procedures for fabricating new structural products, using a			
51-4041.00	Machinists	variety of metalworking machines.	Green Enhanced Skills	N	Non-Green Task
		Evaluate machining procedures and recommend changes or modifications			_
51-4041.00		for improved efficiency or adaptability.	Green Enhanced Skills	N	Non-Green Task
51-4041.00	Machinists	Fit and assemble parts to make or repair machine tools.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Install experimental parts or assemblies, such as hydraulic systems,			
		electrical wiring, lubricants, or batteries into machines or mechanisms.			
51-4041.00			Green Enhanced Skills	N	Non-Green Task
51-4041.00	Machinists	Install repaired parts into equipment or install new equipment.	Green Enhanced Skills	N	Non-Green Task
		Lay out, measure, and mark metal stock to display placement of cuts.			
51-4041.00	Machinists		Green Enhanced Skills	N	Non-Green Task
		Machine parts to specifications, using machine tools, such as lathes,			
51-4041.00		milling machines, shapers, or grinders.	Green Enhanced Skills	N	Non-Green Task
51-4041.00	Machinists	Maintain machine tools in proper operational condition.	Green Enhanced Skills	N	Non-Green Task
		Measure, examine, or test completed units to check for defects and ensure			
		conformance to specifications, using precision instruments, such as			
51-4041.00	Machinists	micrometers.	Green Enhanced Skills	N	Non-Green Task
		Monitor the feed and speed of machines during the machining process.			
51-4041.00			Green Enhanced Skills	N	Non-Green Task
51-4041.00	Machinists	Operate equipment to verify operational efficiency.	Green Enhanced Skills	N	Non-Green Task
		Prepare working sketches for the illustration of product appearance.			
51-4041.00	Machinists		Green Enhanced Skills	N	Non-Green Task
		Program computers or electronic instruments, such as numerically			
51-4041.00	Machinists	controlled machine tools.	Green Enhanced Skills	N	Non-Green Task
		Set up or operate metalworking, brazing, heat-treating, welding, or cutting			
51-4041.00	Machinists	equipment.	Green Enhanced Skills	N	Non-Green Task
		Set up, adjust, or operate basic or specialized machine tools used to			
51-4041.00	Machinists	perform precision machining operations.	Green Enhanced Skills	N	Non-Green Task
		Study sample parts, blueprints, drawings, or engineering information to			
		determine methods or sequences of operations needed to fabricate			
51-4041.00	Machinists	products.	Green Enhanced Skills	N	Non-Green Task
		Support metalworking projects from planning and fabrication through			
		assembly, inspection, and testing, using knowledge of machine functions,			
51-4041.00	Machinists	metal properties and mathematics.	Green Enhanced Skills	N	Non-Green Task
		Test experimental models under simulated operating conditions for			
		purposes such as development, standardization, or feasibility of design.			
51-4041.00	Machinists		Green Enhanced Skills	N	Non-Green Task
		Dispose of scrap or waste material in accordance with company policies			
51-4041.00	Machinists	and environmental regulations.	Green Enhanced Skills	Y	New Green Task
		Separate scrap waste and related materials for reuse, recycling, or			
51-4041 00	Machinists	disposal.	Green Enhanced Skills	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Adjust controls to position rod and to regulate flux level, reactor period,			
		coolant temperature, or rate of power flow, following standard			
51-8011.00	Nuclear Power Reactor Operators	procedures.	Green Enhanced Skills	N	Non-Green Task
		Authorize maintenance activities on units or changes in equipment or			
51-8011.00	Nuclear Power Reactor Operators	system operational status.	Green Enhanced Skills	N	Non-Green Task
		Conduct inspections or operations outside of control rooms as necessary.			
51-8011.00	Nuclear Power Reactor Operators		Green Enhanced Skills	N	Non-Green Task
		Develop or implement actions such as lockouts, tagouts, or clearances to			
51-8011.00	Nuclear Power Reactor Operators	allow equipment to be safely repaired.	Green Enhanced Skills	N	Non-Green Task
		Direct reactor operators in emergency situations, in accordance with			
51-8011.00	Nuclear Power Reactor Operators	emergency operating procedures.	Green Enhanced Skills	N	Non-Green Task
		Dispatch orders or instructions to personnel through radiotelephone or			
		intercommunication systems to coordinate auxiliary equipment operation.			
51-8011.00	Nuclear Power Reactor Operators		Green Enhanced Skills	N	Non-Green Task
		Implement operational procedures, such as those controlling start-up or			
51-8011.00	Nuclear Power Reactor Operators	shut-down activities.	Green Enhanced Skills	N	Non-Green Task
		Monitor all systems for normal running conditions, performing activities			
		such as checking gauges to assess output or the effects of generator			
51-8011.00	Nuclear Power Reactor Operators	loading on other equipment.	Green Enhanced Skills	N	Non-Green Task
		Monitor or operate boilers, turbines, wells, or auxiliary power plant			
51-8011.00	Nuclear Power Reactor Operators	equipment.	Green Enhanced Skills	N	Non-Green Task
		Note malfunctions of equipment, instruments, or controls and report these			
51-8011.00	Nuclear Power Reactor Operators	conditions to supervisors.	Green Enhanced Skills	N	Non-Green Task
		Participate in nuclear fuel element handling activities, such as preparation			
51-8011.00	Nuclear Power Reactor Operators	transfer, loading, or unloading.	Green Enhanced Skills	N	Non-Green Task
		Record operating data, such as the results of surveillance tests.			
51-8011.00	Nuclear Power Reactor Operators		Green Enhanced Skills	N	Non-Green Task
		Respond to system or unit abnormalities, diagnosing the cause, and			
51-8011.00	Nuclear Power Reactor Operators	recommending or taking corrective action.	Green Enhanced Skills	N	Non-Green Task
		Review and edit standard operating procedures.			
51-8011.00	Nuclear Power Reactor Operators		Green Enhanced Skills	N	Non-Green Task
		Operate nuclear power reactors in accordance with policies and			
		procedures to protect workers from radiation and to ensure environmental			
51-8011.00	Nuclear Power Reactor Operators	safety.	Green Enhanced Skills	Υ	New Green Task
		Authorize actions to correct identified operational inefficiencies or			
		hazards so that operating efficiency is maximized and potential			
51-8011.00	Nuclear Power Reactor Operators	environmental issues are minimized.	Green Enhanced Skills	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Direct measurement of the intensity or types of radiation in work areas,			
51-8011.00	Nuclear Power Reactor Operators	equipment, or materials.	Green Enhanced Skills	Υ	New Green Task
		Identify or direct implementation of appropriate decontamination			
		procedures, based on equipment or the size, nature, or type of			
51-8011.00	Nuclear Power Reactor Operators	contamination.	Green Enhanced Skills	Υ	New Green Task
		Supervise technicians' work activities to ensure that equipment is operated			
		in accordance with policies and procedures that protect workers from			
51-8011.00	Nuclear Power Reactor Operators	radiation and ensure environmental safety.	Green Enhanced Skills	Y	New Green Task
		Direct the collection and testing of air, water, gas, or solid samples to			
		determine radioactivity levels or to ensure appropriate radioactive			
51-8011.00	Nuclear Power Reactor Operators	containment.	Green Enhanced Skills	Y	New Green Task
		Adjust controls to generate specified electrical power or to regulate the			
		flow of power between generating stations and substations.			
51-8013.00	Power Plant Operators		Green Enhanced Skills	N	Non-Green Task
		Clean, lubricate, or maintain equipment, such as generators, turbines,			
	Power Plant Operators	pumps, or compressors, to prevent failure or deterioration.	Green Enhanced Skills	N	Non-Green Task
51-8013.00	Power Plant Operators	Collect oil, water, or electrolyte samples for laboratory analysis.	Green Enhanced Skills	N	Non-Green Task
		Communicate with systems operators to regulate and coordinate line			
51-8013.00	Power Plant Operators	voltages and transmission loads and frequencies.	Green Enhanced Skills	N	Non-Green Task
		Control generator output to match the phase, frequency, or voltage of			
51-8013.00	Power Plant Operators	electricity supplied to panels.	Green Enhanced Skills	N	Non-Green Task
		Control or maintain auxiliary equipment, such as pumps, fans,			
		compressors, condensers, feedwater heaters, filters, or chlorinators, to			
		supply water, fuel, lubricants, air, or auxiliary power.			
51-8013.00	Power Plant Operators		Green Enhanced Skills	N	Non-Green Task
		Control power generating equipment, including boilers, turbines,			
		generators, or reactors, using control boards or semi-automatic equipment			
51-8013.00	Power Plant Operators		Green Enhanced Skills	N	Non-Green Task
<b>51</b> 001 <b>2</b> 00	D D O	Examine and test electrical power distribution machinery and equipment,			
51-8013.00	Power Plant Operators	using testing devices.	Green Enhanced Skills	N	Non-Green Task
<b>51</b> 001 <b>2</b> 00	D D	Inspect records or log book entries or communicate with plant personnel			
51-8013.00	Power Plant Operators	to assess equipment operating status.	Green Enhanced Skills	N	Non-Green Task
£1 0012 00	D DI (O)	Make adjustments or minor repairs, such as tightening leaking gland and	0 5 1 10111		
51-8015.00	Power Plant Operators	pipe joints.	Green Enhanced Skills	N	Non-Green Task
£1 0012 00	Down Plant On anotons	Monitor power plant equipment and indicators to detect evidence of	Cross Enhanced Chills	N.	Non Casan Task
31-8013.00	Power Plant Operators	operating problems.	Green Enhanced Skills	N	Non-Green Task
£1 0012 00	Down Plant On anotons	Open and close valves and switches in sequence to start or shut down auxiliary units.	Cross Enhanced Chills	N.	Non Cross Tools
51-8015.00	Power Plant Operators	auxinary units.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
		Place standby emergency electrical generators on line in emergencies and			
		monitor the temperature, output, and lubrication of the system.			
51-8013.00	Power Plant Operators		Green Enhanced Skills	N	Non-Green Task
		Receive outage calls and request necessary personnel during power			
51-8013.00	Power Plant Operators	outages or emergencies.	Green Enhanced Skills	N	Non-Green Task
		Record and compile operational data by completing and maintaining			
51-8013.00	Power Plant Operators	forms, logs, or reports.	Green Enhanced Skills	N	Non-Green Task
		Regulate equipment operations and conditions, such as water levels, based			
51-8013.00	Power Plant Operators	on instrument data or from computers.	Green Enhanced Skills	N	Non-Green Task
		Replenish electrolytes in batteries and oil in voltage transformers, and			
51-8013.00	Power Plant Operators	reset tripped electric relays.	Green Enhanced Skills	N	Non-Green Task
		Start or stop generators, auxiliary pumping equipment, turbines, or other			
51-8013.00	Power Plant Operators	power plant equipment as necessary.	Green Enhanced Skills	N	Non-Green Task
		Take regulatory action, based on readings from charts, meters and gauges	,		
51-8013.00	Power Plant Operators	at established intervals.	Green Enhanced Skills	N	Non-Green Task
		Inspect thermal barrier coatings on integrated gasification combined cycle			
		(IGCC) equipment for sintering, phase destabilization, or temperature			
		variances to ensure compliance with standards and insulation efficiency.			
51-8013.00	Power Plant Operators		Green Enhanced Skills	Υ	New Green Task
		Operate or maintain distributed power generation equipment, including			
		fuel cells or microturbines, to produce energy on-site for manufacturing o	1		
51-8013.00	Power Plant Operators	other commercial purposes.	Green Enhanced Skills	Υ	New Green Task
		Operate, control, or monitor equipment, such as acid or gas carbon			
		dioxide removal units, carbon dioxide compressors, and pipelines, to			
51-8013.00	Power Plant Operators	capture, store, or transport carbon dioxide exhaust.	Green Enhanced Skills	Υ	New Green Task
	-	Operate, control, or monitor gasifiers or related equipment, such as			
		coolers, water quenches, water gas shifts reactors, or sulfur recovery units			
51-8013.00	Power Plant Operators	to produce syngas or electricity from coal.	Green Enhanced Skills	Υ	New Green Task
	1	Operate, control, or monitor integrated gasification combined cycle			
		(IGCC) or related equipment, such as air separation units, to generate			
51-8013.00	Power Plant Operators	electricity from coal.	Green Enhanced Skills	Y	New Green Task
	Biofuels Processing Technicians	Assess the quality of biofuels additives for reprocessing.	New Green New & Emerging	Υ	New Green Task
		Calculate, measure, load, or mix refined feedstock used in biofuels			
51-8099.01	Biofuels Processing Technicians	production.	New Green New & Emerging	Y	New Green Task
	8	Calibrate liquid flow devices and meters including fuel, chemical, and		-	
51-8099.01	Biofuels Processing Technicians	water meters.	New Green New & Emerging	Y	New Green Task
		Clean biofuels processing work area, ensuring compliance with safety		•	
51-8099 01	Biofuels Processing Technicians	regulations.	New Green New & Emerging	Y	New Green Task
51-0077.01	Dioracis i rocessing recinicians	Indiana.	INCW CIECHTNEW & LINEIGHIG	ı	INCW CIECII I ASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Collect biofuels samples and perform routine laboratory tests or analyses			
51-8099.01	Biofuels Processing Technicians	to assess biofuels quality.	New Green New & Emerging	Υ	New Green Task
51-8099.01	Biofuels Processing Technicians	Coordinate raw product sourcing or collection.	New Green New & Emerging	Y	New Green Task
		Inspect biofuels plant or processing equipment regularly, recording or			
	Biofuels Processing Technicians	reporting damage and mechanical problems.	New Green New & Emerging	Υ	New Green Task
	Biofuels Processing Technicians	Measure and monitor raw biofuels feedstock.	New Green New & Emerging	Y	New Green Task
	Biofuels Processing Technicians	Monitor and record biofuels processing data.	New Green New & Emerging	Υ	New Green Task
51-8099.01	Biofuels Processing Technicians	Monitor and record flow meter performance.	New Green New & Emerging	Υ	New Green Task
		Monitor batch, continuous flow, or hybrid biofuels production processes.			
51-8099.01	Biofuels Processing Technicians		New Green New & Emerging	Υ	New Green Task
		Monitor stored biofuels products or secondary by-products until reused or	•		
51-8099.01	Biofuels Processing Technicians	transferred to users.	New Green New & Emerging	Y	New Green Task
		Operate chemical processing equipment for the production of biofuels.			
51-8099.01	Biofuels Processing Technicians		New Green New & Emerging	Υ	New Green Task
		Operate equipment, such as a centrifuge, to extract biofuels products and			
51-8099.01	Biofuels Processing Technicians	secondary by-products or reusable fractions.	New Green New & Emerging	Υ	New Green Task
		Operate valves, pumps, engines, or generators to control and adjust			
51-8099.01	Biofuels Processing Technicians	biofuels production.	New Green New & Emerging	Υ	New Green Task
		Perform routine maintenance on mechanical, electrical, or electronic			
		equipment or instruments used in the processing of biofuels.			
51-8099.01	Biofuels Processing Technicians		New Green New & Emerging	Υ	New Green Task
		Preprocess feedstock in preparation for physical, chemical, or biological			
51-8099.01	Biofuels Processing Technicians	fuel production processes.	New Green New & Emerging	Y	New Green Task
		Process refined feedstock with additives in fermentation or reaction			
51-8099.01	Biofuels Processing Technicians	process vessels.	New Green New & Emerging	Υ	New Green Task
		Rebuild, repair, or replace biofuels processing equipment components.			
51-8099.01	Biofuels Processing Technicians		New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Generation	Analyze the layout, instrumentation, or function of electrical generation o	1		
51-8099.02	System Technicians	transmission facilities.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Balance individual gas extraction wells at landfill gas facilities.			
51-8099.02	System Technicians		New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Generation	Diagnose or troubleshoot problems with methane or landfill gas collection	1		
51-8099.02	System Technicians	systems.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Download landfill gas well field monitoring data.			
51-8099.02	System Technicians		New Green New & Emerging	Y	New Green Task
	Methane/Landfill Gas Generation	Measure landfill gas vegetative covering, installing additional covering as			
51-8099.02	System Technicians	required.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Methane/Landfill Gas Generation	Measure liquid levels in landfill gas extraction wells.			
51-8099.02	System Technicians		New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Monitor landfill gas perimeter probes to identify landfill gas migration.			
51-8099.02	System Technicians		New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Monitor landfill well fields periodically to ensure proper functioning and			
51-8099.02	System Technicians	performance.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Operate landfill gas, methane, or natural gas fueled electrical generation			
51-8099.02	System Technicians	systems.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Perform landfill surface scans to determine overall effectiveness of the			
51-8099.02	System Technicians	landfill gas site.	New Green New & Emerging	Υ	New Green Task
		Perform routine maintenance or minor repairs to landfill gas collection			
		and power generation systems, including equipment such as pneumatic			
	Methane/Landfill Gas Generation	pumps, blower or flare systems, and condensate management systems.			
51-8099.02	System Technicians		New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Prepare and submit compliance, operational, and safety forms or reports.			
51-8099.02	System Technicians		New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Read, interpret, and adjust monitoring equipment, such as flow meters			
51-8099.02	System Technicians	and pressure or vacuum gauges.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Record and maintain log of well-head gauge pressure readings.			
51-8099.02	System Technicians		New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Repair or replace landfill gas piping.			
51-8099.02	System Technicians		New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Trace electrical circuitry for landfill gas buildings to ensure compliance o	1		
51-8099.02	System Technicians	electrical systems with applicable codes or laws.	New Green New & Emerging	Υ	New Green Task
	Methane/Landfill Gas Generation	Verify that well field monitoring data conforms to applicable regulations.			
51-8099.02	System Technicians		New Green New & Emerging	Y	New Green Task
51-8099.03	Biomass Plant Technicians	Assess quality of biomass feedstock.	New Green New & Emerging	Υ	New Green Task
		Calculate, measure, load, or mix biomass feedstock for power generation.			
51-8099.03	Biomass Plant Technicians		New Green New & Emerging	Υ	New Green Task
		Calibrate liquid flow devices or meters, including fuel, chemical, and			
51-8099.03	Biomass Plant Technicians	water meters.	New Green New & Emerging	Y	New Green Task
51-8099.03	Biomass Plant Technicians	Clean work areas to ensure compliance with safety regulations.	New Green New & Emerging	Υ	New Green Task
		Inspect biomass power plant or processing equipment, recording or			
51-8099.03	Biomass Plant Technicians	reporting damage and mechanical problems.	New Green New & Emerging	Υ	New Green Task
51-8099.03	Biomass Plant Technicians	Manage parts and supply inventories for biomass plants.	New Green New & Emerging	Y	New Green Task
		Measure and monitor raw biomass feedstock, including wood, waste, or			
51-8099.03	Biomass Plant Technicians	refuse materials.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Operate biomass fuel-burning boiler or biomass fuel gasification system			
51-8099.03	Biomass Plant Technicians	equipment in accordance with specifications or instructions.	New Green New & Emerging	Υ	New Green Task
		Operate equipment to heat biomass, using knowledge of controls,			
51-8099.03	Biomass Plant Technicians	combustion, and firing mechanisms.	New Green New & Emerging	Υ	New Green Task
		Operate equipment to start, stop, or regulate biomass-fueled generators,			
51-8099.03	Biomass Plant Technicians	generator units, boilers, engines, or auxiliary systems.	New Green New & Emerging	Υ	New Green Task
		Operate high-pressure steam boiler or water chiller equipment for			
51-8099.03	Biomass Plant Technicians	electrical cogeneration operations.	New Green New & Emerging	Υ	New Green Task
		Operate valves, pumps, engines, or generators to control and adjust			
51-8099.03	Biomass Plant Technicians	production of biofuels or biomass-fueled power.	New Green New & Emerging	Υ	New Green Task
		Perform routine maintenance or make minor repairs to mechanical,			
51-8099.03	Biomass Plant Technicians	electrical, or electronic equipment in biomass plants.	New Green New & Emerging	Υ	New Green Task
		Preprocess feedstock to prepare for biochemical or thermochemical			
51-8099.03	Biomass Plant Technicians	production processes.	New Green New & Emerging	Υ	New Green Task
		Read and interpret instruction manuals or technical drawings related to			
		biomass-fueled power or biofuels production equipment or processes.			
51-8099.03	Biomass Plant Technicians		New Green New & Emerging	Υ	New Green Task
		Record or report operational data such as readings on meters, instruments	,		
51-8099.03	Biomass Plant Technicians	and gauges.	New Green New & Emerging	Υ	New Green Task
		Change oil, hydraulic fluid, or other lubricants to maintain condition of			
51-8099.04	Hydroelectric Plant Technicians	hydroelectric plant equipment.	New Green New & Emerging	Υ	New Green Task
		Communicate status of hydroelectric operating equipment to dispatchers			
51-8099.04	Hydroelectric Plant Technicians	or supervisors.	New Green New & Emerging	Υ	New Green Task
		Connect metal parts or components in hydroelectric plants by welding,			
51-8099.04	Hydroelectric Plant Technicians	soldering, riveting, tapping, bolting, bonding, or screwing.	New Green New & Emerging	Υ	New Green Task
		Cut, bend, or shape metal for applications in hydroelectric plants, using			
51-8099.04	Hydroelectric Plant Technicians	equipment such as hydraulic benders or pipe threaders.	New Green New & Emerging	Υ	New Green Task
		Erect scaffolds, platforms, or hoisting frames to access hydroelectric plan	t		
		machinery or infrastructure for repair or replacement.			
51-8099.04	Hydroelectric Plant Technicians		New Green New & Emerging	Υ	New Green Task
		Identify or address malfunctions of hydroelectric plant operational			
51-8099.04	Hydroelectric Plant Technicians	equipment, such as generators, transformers, or turbines.	New Green New & Emerging	Υ	New Green Task
		Implement load or switching orders in hydroelectric plants, in accordance			
51-8099.04	Hydroelectric Plant Technicians	with specifications or instructions.	New Green New & Emerging	Υ	New Green Task
		Inspect water-powered electric generators or auxiliary equipment in			
		hydroelectric plants to verify proper operation or to determine			
51-8099.04	Hydroelectric Plant Technicians	maintenance or repair needs.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Install or calibrate electrical or mechanical equipment, such as motors,			
		engines, switchboards, relays, switch gears, meters, pumps, hydraulics, or	•		
51-8099.04	Hydroelectric Plant Technicians	flood channels.	New Green New & Emerging	Y	New Green Task
		Lift and move loads, using cranes, hoists, and rigging, to install or repair			
51-8099.04	Hydroelectric Plant Technicians	hydroelectric system equipment or infrastructure.	New Green New & Emerging	Y	New Green Task
		Maintain logs, reports, work requests, or other records of work performed			
51-8099.04	Hydroelectric Plant Technicians	in hydroelectric plants.	New Green New & Emerging	Y	New Green Task
		Maintain or repair hydroelectric plant electrical, mechanical, or electronic			
		equipment, such as motors, transformers, voltage regulators, generators,			
		relays, battery systems, air compressors, sump pumps, gates, or valves.			
51-8099.04	Hydroelectric Plant Technicians		New Green New & Emerging	Y	New Green Task
		Monitor hydroelectric power plant equipment operation and performance,	•		
		adjusting to performance specifications, as necessary.			
51-8099.04	Hydroelectric Plant Technicians		New Green New & Emerging	Y	New Green Task
		Operate high voltage switches or related devices in hydropower stations.			
51-8099.04	Hydroelectric Plant Technicians		New Green New & Emerging	Y	New Green Task
		Operate hydroelectric plant equipment, such as turbines, pumps, valves,			
51-8099.04	Hydroelectric Plant Technicians	gates, fans, electric control boards, or battery banks.	New Green New & Emerging	Y	New Green Task
		Perform preventive or corrective containment or cleanup measures in			
51-8099.04	Hydroelectric Plant Technicians	hydroelectric plants to prevent environmental contamination.	New Green New & Emerging	Y	New Green Task
<b>7</b> 1 0000 01		Perform tunnel or field inspections of hydroelectric plant facilities or			
51-8099.04	Hydroelectric Plant Technicians	resources.	New Green New & Emerging	Y	New Green Task
<b>7</b> 1 0000 01		Splice or terminate cables or electrical wiring in hydroelectric plants.			
51-8099.04	Hydroelectric Plant Technicians		New Green New & Emerging	Y	New Green Task
51 0000 04	TI I I C DI CE I C	Start, adjust, or stop generating units, operating valves, gates, or auxiliary equipment in hydroelectric power generating plants.		.,	
51-8099.04	Hydroelectric Plant Technicians		New Green New & Emerging	Y	New Green Task
<b>5</b> 1 9000 04	Hydroplosteis Plant Tochnisions	Take readings and record data such as water levels, temperatures, or flow	Navy Craar Navy 9 Emanaira	V	Naw Crass Task
31-8099.04	Hydroelectric Plant Technicians	rates.	New Green New & Emerging	Y	New Green Task
<b>5</b> 1 9000 04	Hydroelectric Plant Technicians	Test and repair or replace electrical equipment, such as circuit breakers, station batteries, cable trays, conduits, or control devices.	Navy Craar Navy 9 Emanaira	V	Naw Crass Task
31-8099.04	•	Assemble fittings, valves, bowls, plates, disks, impeller shafts, or other	New Green New & Emerging	Y	New Green Task
	Separating, Filtering, Clarifying,	parts to prepare equipment for operation.			
51 0012 00	Precipitating, and Still Machine Setters, Operators, and Tenders	parts to prepare equipment for operation.	Green Enhanced Skills	N	Non-Green Task
51-9012.00	•	Clean or sterilize tanks, screens, inflow pipes, production areas, or	Green Ennanced Skills	IN	Non-Green Task
	Separating, Filtering, Clarifying,	equipment, using hoses, brushes, scrapers, or chemical solutions.			
51_9012.00	Precipitating, and Still Machine Setters, Operators, and Tenders	equipment, using noses, or usines, scrapers, or enclinear solutions.	Green Enhanced Skills	N	Non-Green Task
51-7012.00	setters, Operators, and Telluers		Green Ennanced Skills	IN	NOII-GIEEII TASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Separating, Filtering, Clarifying,	Collect samples of materials or products for laboratory analysis.			
	Precipitating, and Still Machine				
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Communicate processing instructions to other workers.			
	Precipitating, and Still Machine				
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Connect pipes between vats and processing equipment.			
£1 0012 00	Precipitating, and Still Machine		One on Enhanced Oldlin	N.	New Owen Teels
51-9012.00	Setters, Operators, and Tenders	Dynam may a gland analisis demonstrate of refined any analised materials	Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Dump, pour, or load specified amounts of refined or unrefined materials into equipment or containers for further processing or storage.			
51 0012 00	Precipitating, and Still Machine Setters, Operators, and Tenders	into equipment of containers for further processing of storage.	Green Enhanced Skills	N	Non-Green Task
31-9012.00	Separating, Filtering, Clarifying,	Examine samples to verify qualities such as clarity, cleanliness,	Green Enhanced Skills	IN	Non-Green rask
	Precipitating, and Still Machine	consistency, dryness, or texture.			
	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Inspect machines or equipment for hazards, operating efficiency,			Tron Groom ruon
	Precipitating, and Still Machine	malfunctions, wear, or leaks.			
	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Install, maintain, or repair hoses, pumps, filters, or screens to maintain			
	Precipitating, and Still Machine	processing equipment, using hand tools.			
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Maintain logs of instrument readings, test results, or shift production for			
	Precipitating, and Still Machine	entry in computer databases.			
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Measure or weigh materials to be refined, mixed, transferred, stored, or			
£1 0012 00	Precipitating, and Still Machine	otherwise processed.	One on Enhanced Oldlin	N.	New Owen Teels
51-9012.00	Setters, Operators, and Tenders	Monitor material flow or instruments such as temperature or pressure	Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying, Precipitating, and Still Machine	gauges, indicators, or meters to ensure optimal processing conditions.			
51-9012 00	Setters, Operators, and Tenders	gauges, indicators, or ineters to ensure optimal processing conditions.	Green Enhanced Skills	N	Non-Green Task
31-7012.00	Separating, Filtering, Clarifying,	Pack bottles into cartons or crates, using machines.	GICEIT ETHIANCEU SKIIIS	IN	INOTE-OTECH LOSK
	Precipitating, and Still Machine	and coulds and current of cruces, using machines.			
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Remove clogs, defects, or impurities from machines, tanks, conveyors,			
	Precipitating, and Still Machine	screens, or other processing equipment.			
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Separating, Filtering, Clarifying,	Remove full containers from discharge outlets and replace them with			
	Precipitating, and Still Machine	empty containers.			
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Set up or adjust machine controls to regulate conditions such as material			
	Precipitating, and Still Machine	flow, temperature, or pressure.			
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Start agitators, shakers, conveyors, pumps, or centrifuge machines.			
	Precipitating, and Still Machine				
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying,	Test samples to determine viscosity, acidity, specific gravity, or degree of			
51 0012 00	Precipitating, and Still Machine	concentration, using test equipment such as viscometers, pH meters, or hydrometers.	0 5 1 101 11		
51-9012.00	Setters, Operators, and Tenders	Turn valves or move controls to admit, drain, separate, filter, clarify, mix,	Green Enhanced Skills	N	Non-Green Task
	Separating, Filtering, Clarifying, Precipitating, and Still Machine	or transfer materials.	•		
51 0012 00	Setters, Operators, and Tenders	of transfer materials.	Green Enhanced Skills	N	Non-Green Task
31-9012.00	Separating, Filtering, Clarifying,	Turn valves to pump sterilizing solutions or rinse water through pipes or	Green Ennanced Skills	IN	Non-Green rask
	Precipitating, and Still Machine	equipment or to spray vats with atomizers.			
51-9012.00	Setters, Operators, and Tenders	equipment of to spray valo with atomizers.	Green Enhanced Skills	N	Non-Green Task
,	Separating, Filtering, Clarifying,	Operate machines to process materials in compliance with applicable			Tron Groom rack
	Precipitating, and Still Machine	safety, energy, or environmental regulations.			
51-9012.00	Setters, Operators, and Tenders		Green Enhanced Skills	Y	New Green Task
	Inspectors, Testers, Sorters,	Adjust, clean, or repair products or processing equipment to correct			
51-9061.00	Samplers, and Weighers	defects found during inspections.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Administer tests to assess whether engineers or operators are qualified to			
51-9061.00	Samplers, and Weighers	use equipment.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Analyze test data, making computations as necessary, to determine test			
51-9061.00	Samplers, and Weighers	results.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Check arriving materials to ensure that they match purchase orders,			
51-9061.00	Samplers, and Weighers	submitting discrepancy reports as necessary.	Green Enhanced Skills	N	Non-Green Task
<b>#</b> 1 00 51 00	Inspectors, Testers, Sorters,	Clean, maintain, calibrate, or repair measuring instruments or test			
51-9061.00	Samplers, and Weighers	equipment, such as dial indicators, fixed gauges, or height gauges.	Green Enhanced Skills	N	Non-Green Task
£1 00c1 00	Inspectors, Testers, Sorters,	Collect or select samples for testing or for use as models.	One of False and Oldling		New Owner Teels
51-9061.00	Samplers, and Weighers	Common colons shares toutures or and a form dustrian with 1	Green Enhanced Skills	N	Non-Green Task
	In an artist Tanton Conta	Compare colors, shapes, textures, or grades of products or materials with color charts, templates, or samples to verify conformance to standards.			
51 0061 00	Inspectors, Testers, Sorters, Samplers, and Weighers	color charts, templates, or samples to verify comormance to standards.	Green Enhanced Skills	N	Non-Green Task
31-3001.00	Inspectors, Testers, Sorters,	Compute defect percentages or averages, using formulas and calculators.	Green Ennanced Skills	IN	Non-Green Task
51-9061 00	Samplers, and Weighers	compute defect percentages of averages, using formulas and calculators.	Green Enhanced Skills	N	Non-Green Task
51-5001.00	bampiors, and weighers		Oleen Elinanceu Skiiis	IN	INUIT-GIEEII TASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Inspectors, Testers, Sorters,	Compute usable amounts of items in shipments.			
51-9061.00	Samplers, and Weighers		Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Disassemble defective parts or components, such as inaccurate or worn			
51-9061.00	Samplers, and Weighers	gauges or measuring instruments.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Discard or reject products, materials, or equipment not meeting			
51-9061.00	Samplers, and Weighers	specifications.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Fabricate, install, position, or connect components, parts, finished			
51-9061.00	Samplers, and Weighers	products, or instruments for testing or operational purposes.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Grade, classify, or sort products according to sizes, weights, colors, or			
51-9061.00	Samplers, and Weighers	other specifications.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Inspect, test, or measure materials, products, installations, or work for			
51-9061.00	Samplers, and Weighers	conformance to specifications.	Green Enhanced Skills	N	Non-Green Task
		Interpret legal requirements, provide safety information, or recommend			
	Inspectors, Testers, Sorters,	compliance procedures to contractors, craft workers, engineers, or			
51-9061.00	Samplers, and Weighers	property owners.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Make minor adjustments to equipment, such as turning setscrews to			
51-9061.00	Samplers, and Weighers	calibrate instruments to required tolerances.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Mark items with details such as grade or acceptance-rejection status.			
51-9061.00	Samplers, and Weighers		Green Enhanced Skills	N	Non-Green Task
		Measure dimensions of products to verify conformance to specifications,			
	Inspectors, Testers, Sorters,	using measuring instruments such as rulers, calipers, gauges, or			
51-9061.00	Samplers, and Weighers	micrometers.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Monitor machines that automatically measure, sort, or inspect products.			
51-9061.00	Samplers, and Weighers		Green Enhanced Skills	N	Non-Green Task
		Monitor production operations or equipment to ensure conformance to			
	Inspectors, Testers, Sorters,	specifications, making necessary process or assembly adjustments.			
51-9061.00	Samplers, and Weighers		Green Enhanced Skills	N	Non-Green Task
<b>#</b> 4 00 64 00	Inspectors, Testers, Sorters,	Notify supervisors or other personnel of production problems.			
51-9061.00	Samplers, and Weighers		Green Enhanced Skills	N	Non-Green Task
<b>51</b> 0061 00	Inspectors, Testers, Sorters,	Position products, components, or parts for testing.			
51-9061.00	Samplers, and Weighers		Green Enhanced Skills	N	Non-Green Task
		Read blueprints, data, manuals, or other materials to determine			
		specifications, inspection and testing procedures, adjustment methods, certification processes, formulas, or measuring instruments required.			
	Inspectors, Testers, Sorters,	certification processes, formulas, or measuring instruments required.	0 5 1 101 11		
51-9061.00	Samplers, and Weighers	Dead diele en meteor de envilonde de la comité de la comi	Green Enhanced Skills	N	Non-Green Task
£1 00c1 00	Inspectors, Testers, Sorters,	Read dials or meters to verify that equipment is functioning at specified	One on Early and all Old III		New Owner Teels
51-9061.00	Samplers, and Weighers	levels.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Inspectors, Testers, Sorters,	Recommend necessary corrective actions, based on inspection results.			
51-9061.00	Samplers, and Weighers		Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Record inspection or test data, such as weights, temperatures, grades, or			
51-9061.00	Samplers, and Weighers	moisture content, and quantities inspected or graded.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Remove defects, such as chips, burrs, or lap corroded or pitted surfaces.			
51-9061.00	Samplers, and Weighers		Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Stack or arrange tested products for further processing, shipping, or			
51-9061.00	Samplers, and Weighers	packaging.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Weigh materials, products, containers, or samples to verify packaging			
51-9061.00	Samplers, and Weighers	weights or ingredient quantities.	Green Enhanced Skills	N	Non-Green Task
	Inspectors, Testers, Sorters,	Write test or inspection reports describing results, recommendations, or			
51-9061.00	Samplers, and Weighers	needed repairs.	Green Enhanced Skills	N	Non-Green Task
		Inspect or test cleantech or green technology parts, products, or			
	Inspectors, Testers, Sorters,	installations, such as fuel cells, solar panels, or air quality devices, for			
51-9061.00	Samplers, and Weighers	conformance to specifications or standards.	Green Enhanced Skills	Y	New Green Task
	Inspectors, Testers, Sorters,	Inspect or test raw materials, parts, or products to determine compliance			
51-9061.00	Samplers, and Weighers	with environmental standards.	Green Enhanced Skills	Y	New Green Task
	Recycling and Reclamation	Clean materials, such as metals, according to recycling requirements.			
51-9199.01			New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Clean recycling yard by sweeping, raking, picking up broken glass and			
51-9199.01	Workers	loose paper debris, or moving barrels and bins.	New Green New & Emerging	Y	New Green Task
		Clean, inspect, or lubricate recyclable collection equipment or perform			
		routine maintenance or minor repairs on recycling equipment, such as sta	r		
	Recycling and Reclamation	gears, finger sorters, destoners, belts, and grinders.			
51-9199.01			New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Collect and sort recyclable construction materials, such as concrete,			
51-9199.01		drywall, plastics, or wood, into containers.	New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Collect recyclable materials from curbside for delivery to designated			
51-9199.01	Workers	facilities.	New Green New & Emerging	Υ	New Green Task
		Cut discarded products, such as appliances and automobiles, into small			
	Recycling and Reclamation	pieces using saws, blow torches, or other hand or power tools.			
51-9199.01			New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Deposit recoverable materials into chutes or place materials on conveyor			
51-9199.01		belts.	New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Dismantle wrecked vehicles by removing parts and labeling and sorting			
51-9199.01	Workers	parts into containers.	New Green New & Emerging	Υ	New Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Extract chemicals from discarded appliances, such as air conditioners or			
	Recycling and Reclamation	refrigerators, using specialized machinery, such as refrigerant recovery			
51-9199.01	Workers	equipment.	New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Operate automated refuse or manual recycling collection vehicles.			
51-9199.01	Workers		New Green New & Emerging	Y	New Green Task
	Recycling and Reclamation	Operate balers to compress recyclable materials into bundles or bales.			
51-9199.01	Workers		New Green New & Emerging	Y	New Green Task
		Operate forklifts, pallet jacks, power lifts, or front-end loaders to load			
	Recycling and Reclamation	bales, bundles, or other heavy items onto trucks for shipping to smelters			
51-9199.01	Workers	or other recycled materials processing facilities.	New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Operate processing equipment, such as fiber-sorters and grinders, to sort,			
51-9199.01	Workers	crush, or grind recyclable materials.	New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Operate shredders to reclaim steel from discarded appliances.			
51-9199.01	Workers		New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Record logs of recycled materials or waste chemicals removed from			
51-9199.01	Workers	products.	New Green New & Emerging	Υ	New Green Task
	Recycling and Reclamation	Remove copper from circuit boards.			
51-9199.01			New Green New & Emerging	Y	New Green Task
	Recycling and Reclamation	Sort materials, such as metals, glass, wood, paper or plastics, into			
51-9199.01		appropriate containers for recycling.	New Green New & Emerging	Y	New Green Task
	Recycling and Reclamation	Sort metals to separate high-grade metals, such as copper, brass, and	5 5		
51-9199.01		aluminum, for recycling.	New Green New & Emerging	Y	New Green Task
53-1021.01	Recycling Coordinators	Assign truck drivers or recycling technicians to routes.	New Green New & Emerging	Y	New Green Task
		Coordinate recycling collection schedules to optimize service and			
53-1021.01	Recycling Coordinators	efficiency.	New Green New & Emerging	Y	New Green Task
		Coordinate shipments of recycling materials with shipping brokers or	5 5		
53-1021.01	Recycling Coordinators	processing companies.	New Green New & Emerging	Y	New Green Task
	Recycling Coordinators	Create or manage recycling operations budgets.	New Green New & Emerging	Y	New Green Task
		Design community solid and hazardous waste management programs.	5 5		
53-1021.01	Recycling Coordinators		New Green New & Emerging	Y	New Green Task
	, ,	Develop community or corporate recycling plans and goals to minimize	5 5		
53-1021.01	Recycling Coordinators	waste and conform to resource constraints.	New Green New & Emerging	Υ	New Green Task
	, ,	Identify or investigate new opportunities for materials to be collected and			
53-1021.01	Recycling Coordinators	recycled.	New Green New & Emerging	Y	New Green Task
	, ,	Implement grant-funded projects, monitoring and reporting progress in	a a a a a a a a a a a a a a a a a a a		
53-1021.01	Recycling Coordinators	accordance with sponsoring agency requirements.	New Green New & Emerging	Υ	New Green Task
		Inspect physical condition of recycling or hazardous waste facility for			
53-1021.01	Recycling Coordinators	compliance with safety, quality, and service standards.	New Green New & Emerging	Y	New Green Task
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O*NET-					
SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
53-1021.01	Recycling Coordinators	Investigate violations of solid waste or recycling ordinances.	New Green New & Emerging	Y	New Green Task
		Maintain logs of recycling materials received or shipped to processing			
53-1021.01	Recycling Coordinators	companies.	New Green New & Emerging	Y	New Green Task
		Make presentations to educate the public on how to recycle or on the			
	Recycling Coordinators	environmental advantages of recycling.	New Green New & Emerging	Y	New Green Task
53-1021.01	Recycling Coordinators	Negotiate contracts with waste management or other firms.	New Green New & Emerging	Υ	New Green Task
		Operate fork lifts, skid loaders, or trucks to move or store recyclable			
53-1021.01	Recycling Coordinators	materials.	New Green New & Emerging	Y	New Green Task
		Operate recycling processing equipment, such as sorters, balers, crushers,			
53-1021.01	Recycling Coordinators	and granulators to sort and process materials.	New Green New & Emerging	Y	New Green Task
		Oversee campaigns to promote recycling or waste reduction programs in			
53-1021.01	Recycling Coordinators	communities or private companies.	New Green New & Emerging	Y	New Green Task
		Oversee recycling pick-up or drop-off programs to ensure compliance			
53-1021.01	Recycling Coordinators	with community ordinances.	New Green New & Emerging	Y	New Green Task
		Prepare bills of lading, statements of shipping records, or customer			
53-1021.01	Recycling Coordinators	receipts related to recycling or hazardous material services.	New Green New & Emerging	Y	New Green Task
		Prepare grant applications to fund recycling programs or program			
53-1021.01	Recycling Coordinators	enhancements.	New Green New & Emerging	Y	New Green Task
		Provide training to recycling technicians or community service workers			
		on topics such as safety, solid waste processing, or general recycling			
53-1021.01	Recycling Coordinators	operations.	New Green New & Emerging	Y	New Green Task
		Review customer requests for service to determine service needs and			
53-1021.01	Recycling Coordinators	deploy appropriate resources to provide service.	New Green New & Emerging	Y	New Green Task
		Schedule movement of recycling materials into and out of storage areas.			
53-1021.01	Recycling Coordinators		New Green New & Emerging	Y	New Green Task
		Supervise recycling technicians, community service workers, or other			
53-1021.01	Recycling Coordinators	recycling operations employees or volunteers.	New Green New & Emerging	Y	New Green Task
		Drive trucks with capacities greater than 3 tons, including tractor-trailer			
	Truck Drivers, Heavy and Tractor-	combinations, to transport and deliver products, livestock, or other			
53-3032.00		materials.	Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Check all load-related documentation for completeness and accuracy.			
53-3032.00			Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-				
53-3032.00		that there has been no damage.	Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-				
53-3032.00		equipment is in good working order.	Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-				
53-3032.00	Trailer	instructions and routes.	Green Enhanced Skills	N	Non-Green Task

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
		Couple or uncouple trailers by changing trailer jack positions, connecting			
	Truck Drivers, Heavy and Tractor-	or disconnecting air or electrical lines, or manipulating fifth-wheel locks.			
53-3032.00	Trailer		Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Crank trailer landing gear up or down to safely secure vehicles.			
53-3032.00	Trailer		Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Drive trucks to weigh stations before and after loading and along routes in	1		
53-3032.00	Trailer	compliance with state regulations.	Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Follow appropriate safety procedures for transporting dangerous goods.			
53-3032.00	Trailer		Green Enhanced Skills	N	Non-Green Task
		Follow special cargo-related procedures, such as checking refrigeration			
	Truck Drivers, Heavy and Tractor-	systems for frozen foods or providing food or water for livestock.			
53-3032.00	Trailer		Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Give directions to laborers who are packing goods and moving them onto			
53-3032.00	Trailer	trailers.	Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Inspect loads to ensure that cargo is secure.			
53-3032.00			Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Install or remove special equipment, such as tire chains, grader blades,			
53-3032.00	Trailer	plow blades, or sanders.	Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Inventory and inspect goods to be moved to determine quantities and			
53-3032.00	Trailer	conditions.	Green Enhanced Skills	N	Non-Green Task
		Load or unload trucks or help others with loading or unloading, using			
	Truck Drivers, Heavy and Tractor-	special loading-related equipment or other equipment as necessary.			
53-3032.00			Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Maintain logs of working hours or of vehicle service or repair status,			
53-3032.00		following applicable state and federal regulations.	Green Enhanced Skills	N	Non-Green Task
		Maneuver trucks into loading or unloading positions, following signals			
	Truck Drivers, Heavy and Tractor-	from loading crew and checking that vehicle and loading equipment are			
53-3032.00		properly positioned.	Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Obtain receipts or signatures for delivered goods and collect payment for			
53-3032.00		services when required.	Green Enhanced Skills	N	Non-Green Task
		Operate equipment, such as truck cab computers, CB radios, phones, or			
		global positioning systems (GPS) equipment to exchange necessary			
	Truck Drivers, Heavy and Tractor-	information with bases, supervisors, or other drivers.			
53-3032.00	1	•	Green Enhanced Skills	N	Non-Green Task
22 2022.00	Truck Drivers, Heavy and Tractor-	Operate trucks equipped with snowplows or sander attachments to		1	The state of the s
53-3032.00	1	maintain roads in winter weather.	Green Enhanced Skills	N	Non-Green Task
22 2022.00		Perform basic vehicle maintenance tasks, such as adding oil, fuel, or	C. C. C. Limanou Ciano	.,	Stoom rack
53-3032.00	-	radiator fluid or performing minor repairs.	Green Enhanced Skills	N	Non-Green Task
55-5052.00	1141101	radiator radia or performing minor repairs.	OTEETI LIITATICEU SKIIIS	IN	NOII-GIEEII TASK

O*NET-					
SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Truck Drivers, Heavy and Tractor-				
53-3032.00	Trailer	light bulbs, tire chains, or spark plugs.	Green Enhanced Skills	N	Non-Green Task
	Truck Drivers, Heavy and Tractor-	Read and interpret maps to determine vehicle routes.			
53-3032.00			Green Enhanced Skills	N	Non-Green Task
	, ,	Read bills of lading to determine assignment details.			
53-3032.00			Green Enhanced Skills	N	Non-Green Task
52 2022 00		Remove debris from loaded trailers.			
53-3032.00			Green Enhanced Skills	N	Non-Green Task
53-3032.00	I	Report vehicle defects, accidents, traffic violations, or damage to the vehicles.	Crear Enhanced Chille	NI.	Non Cross Tools
55-3052.00	Truck Drivers, Heavy and Tractor-	Secure cargo for transport, using ropes, blocks, chain, binders, or covers.	Green Enhanced Skills	N	Non-Green Task
53-3032.00	1	Secure cargo for transport, using topes, blocks, chain, bilders, or covers.	Green Enhanced Skills	N	Non-Green Task
33-3032.00	Truck Drivers, Heavy and Tractor-	Wrap and secure goods using pads, packing paper, containers, or straps.	Green Ennanced Skins	IN	Non-Green rask
53-3032.00		wrup and secure goods using pads, packing paper, containers, or straps.	Green Enhanced Skills	N	Non-Green Task
00 0002.00		Drive electric or hybrid-electric powered trucks or alternative fuel-	Cross Ermanoca Crano		Tron Groon raok
	Truck Drivers, Heavy and Tractor-	powered trucks to transport and deliver products, livestock, or other			
53-3032.00	I	materials.	Green Enhanced Skills	Y	New Green Task
		Operate idle reduction systems or auxiliary power systems to generate			
		power from alternative sources, such as fuel cells, to reduce idling time, to			
	Truck Drivers, Heavy and Tractor-	heat or cool truck cabins, or to provide power for other equipment.			
53-3032.00	Trailer		Green Enhanced Skills	Y	New Green Task
		Plan or adjust routes based on changing conditions, using computer			
		equipment, global positioning systems (GPS) equipment, or other			
	Truck Drivers, Heavy and Tractor-	navigation devices to minimize fuel consumption and carbon emissions.			
53-3032.00	Trailer		Green Enhanced Skills	Y	New Green Task
	Transportation Vehicle, Equipment				
	and Systems Inspectors, Except	equipment.			
53-6051.07			Green Enhanced Skills	N	Non-Green Task
	Transportation Vehicle, Equipment				
52 6051 07	and Systems Inspectors, Except	carrier training and testing programs for compliance with regulations or safety standards.	0 5 1 10111		
53-6051.07			Green Enhanced Skills	N	Non-Green Task
		Inspect repairs to transportation vehicles or equipment to ensure that repair work was performed properly.			
53-6051.07	and Systems Inspectors, Except	repair work was performed property.	Green Enhanced Skills	N	Non-Green Task
55-0051.07	Transportation Vehicle, Equipment	Inspect vehicles or equipment to ensure compliance with rules, standards,	Green Ennanced Skills	IN	NOII-GIEEII I ask
	and Systems Inspectors, Except	or regulations.			
53-6051.07			Green Enhanced Skills	N	Non-Green Task
55-0051.07	/ 1 v 1001011	1	Ciccii Liliancea okiiis	IN	NOIT OTEETT TASK

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SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Transportation Vehicle, Equipment				
	and Systems Inspectors, Except	mechanical malfunction.			
53-6051.07			Green Enhanced Skills	N	Non-Green Task
	Transportation Vehicle, Equipment	Investigate and make recommendations on carrier requests for waiver of federal standards.			
52 (051 07	and Systems Inspectors, Except	lederal standards.	One are Fight as and Old He		New Owen Teels
53-6051.07		Investigate complaints regarding safety violations.	Green Enhanced Skills	N	Non-Green Task
	Transportation Vehicle, Equipment and Systems Inspectors, Except	investigate complaints regarding safety violations.			
53-6051.07			Green Enhanced Skills	N	Non-Green Task
33-0031.07	Transportation Vehicle, Equipment	Investigate incidents or violations, such as delays, accidents, and	Green Ennanced Skiiis	IN	Non-Green rask
	and Systems Inspectors, Except	equipment failures.			
53-6051.07		7-7-7	Green Enhanced Skills	N	Non-Green Task
		Issue notices and recommend corrective actions when infractions or	Orden Zimaneda Oiline		Tron Green raek
	and Systems Inspectors, Except	problems are found.			
53-6051.07			Green Enhanced Skills	N	Non-Green Task
	Transportation Vehicle, Equipment	Negotiate with authorities, such as local government officials, to eliminate			
	and Systems Inspectors, Except	hazards along transportation routes.			
53-6051.07			Green Enhanced Skills	N	Non-Green Task
		Prepare reports on investigations or inspections and actions taken.			
	and Systems Inspectors, Except				
53-6051.07			Green Enhanced Skills	N	Non-Green Task
	Transportation Vehicle, Equipment				
50 6051 05	and Systems Inspectors, Except	equipment records to detect any problems or to ensure compliance with regulations.			
53-6051.07			Green Enhanced Skills	N	Non-Green Task
		Evaluate new methods of packaging, testing, shipping, or transporting hazardous materials to ensure adequate public safety protection.			
53-6051.07	and Systems Inspectors, Except	mazardous materials to ensure adequate public safety protection.	Green Enhanced Skills	Y	Existing Green Task
33-0031.07	Transportation Vehicle, Equipment	Attach onboard diagnostics (OBD) scanner cables to vehicles to conduct	Green Ennanced Skills	T	Existing Green Task
	and Systems Inspectors, Except	emissions inspections.			
53-6051.07			Green Enhanced Skills	Y	New Green Task
	Transportation Vehicle, Equipment	Compare emissions findings with applicable emissions standards.	O'SON ZIMIGNOS O'NINS		Tron Groom raon
	and Systems Inspectors, Except				
53-6051.07			Green Enhanced Skills	Y	New Green Task
	Transportation Vehicle, Equipment	Conduct remote inspections of motor vehicles, using handheld controllers			
	and Systems Inspectors, Except	and remotely directed vehicle inspection devices.			
53-6051.07	Aviation		Green Enhanced Skills	Υ	New Green Task

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SOC Code	O*NET-SOC Title	Task	Туре	Green Task	Type of Green Task
	Transportation Vehicle, Equipment	Conduct visual inspections of emission control equipment and smoke			
	and Systems Inspectors, Except	emitted from gasoline or diesel vehicles.			
53-6051.07			Green Enhanced Skills	Y	New Green Task
	Transportation Vehicle, Equipment	Identify emissions testing procedures and standards appropriate for the			
	and Systems Inspectors, Except	age and technology of vehicles.			
53-6051.07	Aviation		Green Enhanced Skills	Y	New Green Task
	Transportation Vehicle, Equipment	Identify modifications to engines, fuel systems, emissions control			
	and Systems Inspectors, Except	equipment, or other vehicle systems to determine the impact of			
53-6051.07	Aviation	modifications on inspection procedures or conclusions.	Green Enhanced Skills	Y	New Green Task
	Transportation Vehicle, Equipment	Monitor or review output from systems, such as Thermal Imaging Units			
	and Systems Inspectors, Except	(TIU) or roadside imaging tools, to identify high risk commercial motor			
53-6051.07		vehicles for follow-up inspections.	Green Enhanced Skills	Y	New Green Task
	Transportation Vehicle, Equipment	Perform low-pressure fuel evaluative tests (LPFET) to test for harmful			
	and Systems Inspectors, Except	emissions from vehicles without onboard diagnostics (OBD) equipment.			
53-6051.07	Aviation		Green Enhanced Skills	Y	New Green Task
	Refuse and Recyclable Material	Check road or weather conditions to determine how routes will be			
53-7081.00	Collectors	affected.	Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Clean trucks or compactor bodies after routes have been completed.			
53-7081.00	Collectors		Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Communicate with dispatchers concerning delays, unsafe sites, accidents,			
53-7081.00	Collectors	equipment breakdowns, or other maintenance problems.	Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Dismount garbage trucks to collect garbage and remount trucks to ride to			
53-7081.00	Collectors	the next collection point.	Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Drive trucks, following established routes, through residential streets or			
53-7081.00	Collectors	alleys or through business or industrial areas.	Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Dump refuse or recyclable materials at disposal sites.			
53-7081.00	Collectors		Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Fill out defective equipment reports.			
53-7081.00	Collectors		Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Inspect trucks prior to beginning routes to ensure safe operating condition	ı.		
53-7081.00	Collectors		Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Operate automated or semi-automated hoisting devices that raise refuse			
53-7081.00	_	bins and dump contents into openings in truck bodies.	Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Operate equipment that compresses collected refuse.			
53-7081.00	II =		Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Organize schedules for refuse collection.			
53-7081.00	II =		Green Enhanced Skills	Y	Existing Green Task

O*NET- SOC Code	O*NET-SOC Title	Task	Type	Green Task	Type of Green Task
	Refuse and Recyclable Material	Provide quotes for refuse collection contracts.	-J.F-		- J P
53-7081.00	_	_	Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Refuel trucks or add other fluids, such as oil or brake fluid.			
53-7081.00	Collectors		Green Enhanced Skills	Υ	Existing Green Task
		Tag garbage or recycling containers to inform customers of problems such			
	Refuse and Recyclable Material	as excess garbage or inclusion of items that are not permitted.			
53-7081.00	Collectors		Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Sort items set out for recycling and throw materials into designated truck			
53-7081.00	Collectors	compartments.	Green Enhanced Skills	Y	Existing Green Task
	Refuse and Recyclable Material	Make special pickups of recyclable materials, such as food scraps, used			
53-7081.00	Collectors	oil, discarded computers, or other electronic items.	Green Enhanced Skills	Υ	New Green Task