

CLEAN ENERGY CAREER PATHWAYS CATALOG

Energy Storage



CAREER
MAP

CAREER
LIST

Clean Energy Career Pathways Catalog



Created for job seekers, hiring managers, the existing workforce, and the public, ACP's **Pathways Catalog** presents over 100 job descriptions for technical and special jobs within the clean energy industry.

This catalog shows the upward mobility and opportunities available within the industry, alongside highlighting the skills and requirements necessary to work in these positions. The aim is to provide a better understanding of how existing transferrable skills could be applied to clean energy jobs or what a career progression within the workforce could look like.

This massive effort is meant to provide workers in other energy industries, veterans, and workers in underrepresented communities a better idea of the jobs available in clean energy, as well as support the industry with recruiting and retention.

This section of the **Pathways Catalog** presents job descriptions in the Energy Storage sector. For jobs within all sectors, [download the full PDF](#).

If you have questions about the catalog, please email workforcedevelopment@cleanpower.org.

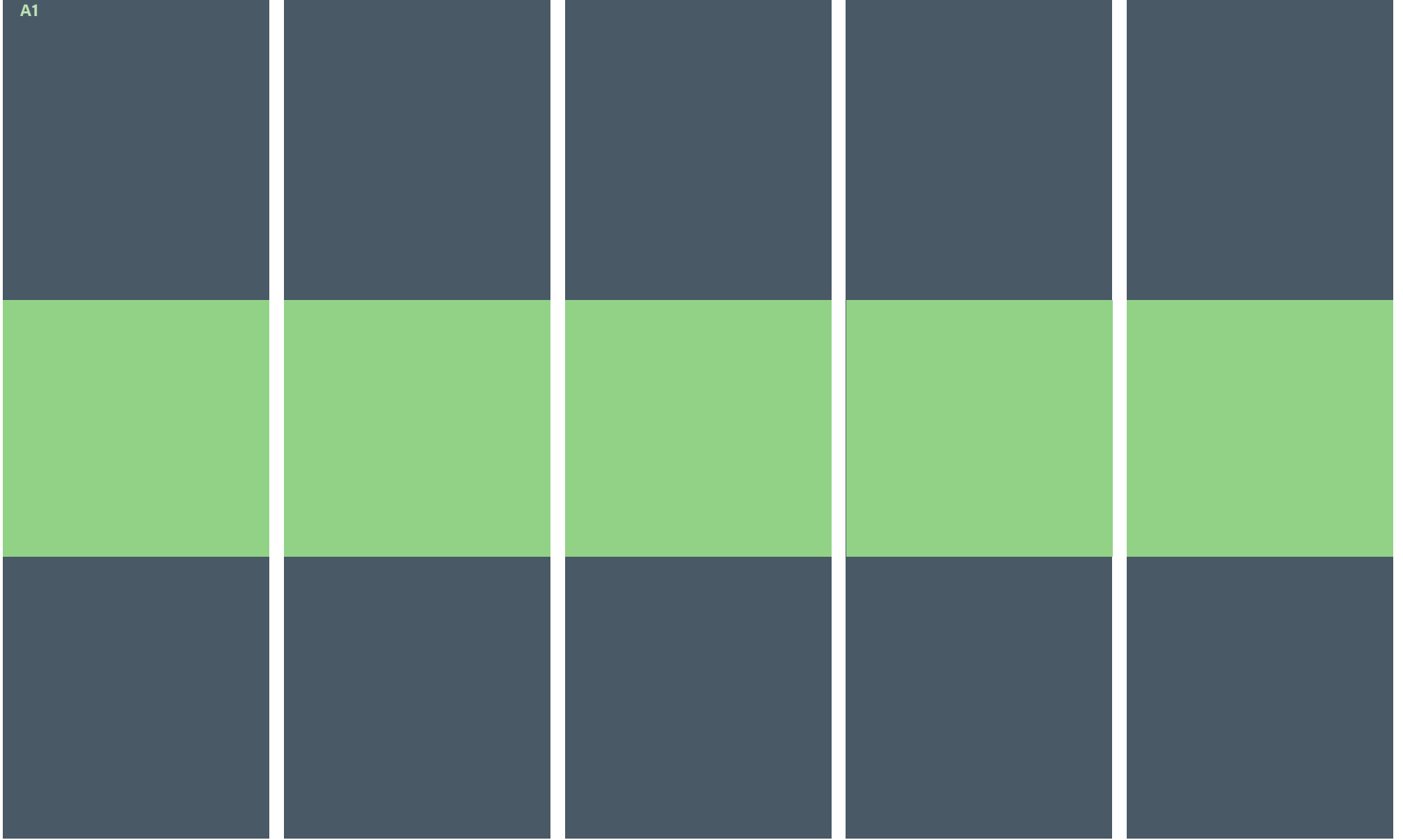
Career & Occupation Hierarchy

Clean Energy Occupations can be looked at across Clean Energy Sectors, Industrial Segments, Industrial Sub Segments, and Occupational Groups
Job Families The catalog is organized by the hierarchy and groups represented here





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INDUSTRY SUB SEGMENT |

REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



REQUIREMENTS

POSITION REPORTS TO

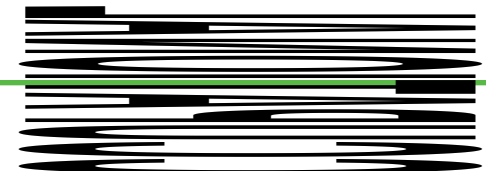
CAREER PATH MOVES FROM THIS ROLE

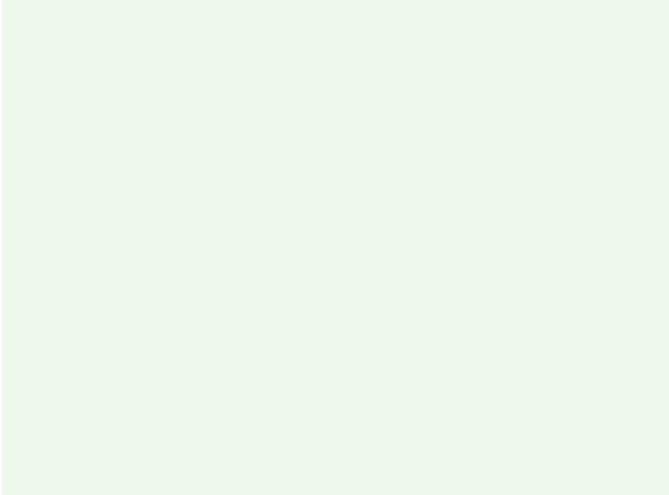


REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE





POSITION REPORTS TO



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



INDUSTRY SUB SEGMENT |

REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



DESCRIPTION

Provide electrical, high voltage (HV), and substation emergency response on wind farms, solar facilities, transmission or storage related substations or powerhouses. Lead maintenance, service, and repair of HV assets in conjunction with other technicians and HV Reliability Engineers. Perform testing, repairs, switching, and construction activities. Provide technical expertise for commissioning start-up, and initial operating activities.

KNOWLEDGE/SKILLS

Medium HV substation electrical equipment, systems, design, AC/DC hipots, low-voltage meters, communication systems, SCADA, OTO/LOTO procedures.

REQUIREMENTS

Education/Training

HS Diploma or equivalent, plus continuing education in electrical/mechanical field. Valid driver's license.

Experience

Years relevant technical experience, experience in power generation or distribution preferred.

Credentialing Required/Optional

Qualifications required to operate HV equipment.

POSITION REPORTS TO

Regional Operations Manager, High Voltage Reliability Engineer.

CAREER PATH MOVES FROM THIS ROLE

Storage Technician, High Voltage Reliability Engineer, Specialist, Storage HV Technician.



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



STORAGE

INDUSTRY SUB SEGMENT |

REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



POSITION REPORTS TO



Engineer Energy Storage

DESCRIPTION

Provide engineering expertise and general oversight for related operations, ensure successful operations, e.g. Perform routine troubleshooting, fault analysis, and investigation. Develop, maintain and update work instructions and procedures. Lead and support technical root cause analysis for component and equipment failures. Analyze performance data related to battery storage. Contribute to design specification, optimization, and costing of energy storage facilities. Assist with SCADA related collaboration with engineering. Support the installation of new equipment components and other direct construction initiatives. Define standard engineering deliverables for projects. Develop and maintain energy storage equipment standards to be used by engineering team.

KNOWLEDGE/SKILLS

System design, expanding technical knowledge, Health and safety, Creating resilient instructions. Designing and modeling renewable energy and energy storage. Ability to physically move around and work on equipment, and lift and carry up to 50 lbs.

REQUIREMENTS

Education/Training

Higher education or Bachelor's degree in relevant subject

Experience

1-3 years related technical experience in battery storage

Credentialing Required/Optional

PE Professional Engineer, optional

POSITION REPORTS TO

Director of Operations

CAREER PATH MOVES FROM THIS ROLE

Operations Manager, Engineering Manager, Construction Manager, Project Manager, Director of Operations



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



REQUIREMENTS

POSITION REPORTS TO



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE





REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



STORAGE

INDUSTRY SUB SEGMENT |

AMERICAN

REQUIREMENTS



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



STORAGE

ADVANCED

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POWER

EDUCATIONAL GROUP in rele an | v d i s c i p l i n e d e n r



STORAGE

ADVANCED

INDUSTRY SUB SEGMENT |

OCCUPATIONAL GROUP |



REQUIREMENTS

POSITION REPORTS TO

Vice President Operations, VP Storage Business

CAREER PATH MOVES FROM THIS ROLE



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



DESCRIPTION

Storage Technician is responsible for the operation, maintenance, and repair of storage equipment. This role involves monitoring system performance, performing routine inspections, and troubleshooting issues. The technician must adhere to safety protocols and maintain accurate records of all activities.

REQUIREMENTS

Education/Training

Technical School Diploma preferred or equivalent combination of education and experience. High school diploma or GED required.

Experience

Years' experience in the operation of storage facilities, or years of equivalent experience in instrumentation controls, MV/HV Electrical work. Qualified to perform all routine and emergency operations at an electric generation facility and HV Switchyard. Experience in operations, financial management, forecasting, and controls preferred. Experience working in facilities, systems and computerized maintenance management systems (SAP).

Credentialing Required/Optional

"Journeyman" electrician preferred and NESC

POSITION REPORTS TO

Maintenance Director, Storage Director, Facility Manager

CAREER PATH MOVES FROM THIS ROLE

Maintenance Director, Construction Manager, Facility Manager



DESCRIPTION

Manage all storage operations data, operations data, and if job also includes, maintenance. Provide hands on technical support and supervision for generation equipment and power delivery systems, as well as other

REQUIREMENTS

Education/Training

BA BS in engineering, business related field or commensurate experience

Experience

Years' Leadership and technical experience in the power generation, renewable energy industry, electrical marine lines, military operations or related fields. Experience in mechanical and electrical troubleshooting and maintenance

POSITION REPORTS TO

Director O & M, Operations Maintenance, Regional Operations Manager, Asset Manager Director

CAREER PATH MOVES FROM THIS ROLE

Director O & M, Operations Maintenance, Regional Operations Manager, Asset Director



REQUIREMENTS

POSITION REPORTS TO

POSITION REPORTS TO



STORAGE

MID-LEVEL

AMERICAN
EAN

INDUSTRY SUB SEGMENT |

|

GROUP OCCUPATIONAL



POSITION REPORTS TO



STORAGE

INDUSTRY SUB SEGMENT |



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



REQUIREMENTS

POSITION REPORTS TO

CAREER PATH MOVES FROM THIS ROLE



DESCRIPTION

Support production and design optimization throughout the development process,

REQUIREMENTS

Education/Training

Bachelor's degree in engineering or technical discipline

Experience

Years in renewable energy optimization
Data analytics and statistics, building models
Experience working with large datasets, conducting root cause analyses, and identifying data anomalies

Credentialing Required/Optional

PE Professional Engineer, ideal

POSITION REPORTS TO

Energy Development Manager or Director,
Engineering Manager or Director

CAREER PATH MOVES FROM THIS ROLE

Engineering Manager or Director,
Project Manager



REQUIREMENTS

Education/Training

Bachelor's degree in electrical engineering, electronics engineering or electrical engineering

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POSITION REPORTS TO

Director, Storage Commissioning
Director, Storage

CAREER PATH MOVES FROM THIS ROLE



54

55







DESCRIPTION

Strategically manage all elements of the company's technical and non-technical training programs. Define the training requirements for each staff position and oversee a system of online, classroom and OJT training using a network of trainers. Track progress in the company's online Learning Management System.

REQUIREMENTS

Education/Training

Generally bachelor's degree desired
Master's degree preferred

Experience

Years' experience in similar role or
combination of knowledge and experience
in leading training efforts

POSITION REPORTS TO

Director of Operations, Human Resources Director

CAREER PATH MOVES FROM THIS ROLE

Director of Operations, Project Manager,
Human Resources Director

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Research and Report Completed by:
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Additional Research Sources listed on following page.

For questions about this report, please contact Tom Vinson at tvinson@cleanpower.org



American Clean Power is the voice of companies from across the clean power sector that are powering America's future, providing cost-effective solutions to the climate crisis while creating jobs, spurring massive investment in the U.S. economy and driving high-tech innovation across the nation. We are uniting the power of America's renewable energy industry to advance our shared goals and to transform the U.S. power grid to a low-cost, reliable, and renewable power system. Learn more about the benefits clean power brings to America at www.cleanpower.org