Youth Climate Corps Employer Reference Guide

Approved Sectors

This document provides employers with an overview of the eligible sectors and activity areas supported through the Youth Climate Corps programs. It is designed to help organizations assess project alignment, understand eligibility requirements, and identify opportunities to create meaningful employment experiences for youth.

Energy Sector

- **Clean Energy Technologies:** solar, wind, hydro/wave/tidal, geothermal, biofuels, nuclear/uranium, carbon capture and storage
- **Transmission, Smart Grid & Energy Storage:** power grid infrastructure, battery storage systems, hydrogen fuel cells, grid modernization
- **Energy Efficiency & Fuel Switching:** green buildings, electrification, cogeneration, systemic energy management, bioenergy
- **Energy Assessment:** baseline environmental studies, monitoring, compliance, regulatory support
- **Environmental Protection:** natural resource protection, cumulative effects analysis, conservation and restoration
- **Sustainable Development:** renewable and non-renewable resource development, GHG reduction, energy efficiency initiatives

Forestry Sector

- **Forestry & Support Activities:** silviculture, reforestation, land-use planning
- **Ecology & Management:** forest ecosystem health, invasive species, wildlife
- **Forest-Based Bioeconomy Manufacturing:** biofuels, biochemicals, biodegradable materials
- **Solid Wood Product Manufacturing:** hardwood and softwood, engineered wood products
- **Pulp & Paper Manufacturing:** cellulose-based products
- **Environmental Assessment & Protection:** baseline studies, regulatory compliance, conservation
- **Sustainable Development:** responsible forest management, carbon analysis, reforestation

Mining, Minerals & Metals Sector

- **Prospecting & Exploration:** remote sensing, surveys, sampling
- **Construction & Development:** mine site preparation, engineering and design
- **Extraction & Milling:** mining operations and value recovery from waste
- **Processing & Manufacturing:** smelting, refining, mineral processing
- **Reclamation & Closure:** remediation and post-closure care
- **Supply & Services:** goods and services supporting mining operations
- **Sustainable Development:** clean mining technologies, Indigenous partnerships

Earth Sciences

- **Natural Hazard Risk Analysis:** earthquakes, landslides, flooding, wildfires
- **Geoscience & Earth Observation:** mapping, GIS, remote sensing
- **Climate Change Adaptation:** localized risk assessments, resilient infrastructure, nature-based solutions
- **Sustainable Development:** data platforms, innovation, climate monitoring