GROUNDWORK
CHANGING PLACES
CHANGING LIVES

# Every Job a Green Job: How Jobs in All Industry Sectors will Change

MANCHESTER CITY COUNCIL

AGRICULTURE, FORESTRY & FISHING

## A Arable Farmer — HIGH

**AREAS OF CHANGE:**

- Carbon capture in soil, tree and hedgerow planting
- Use of renewables or biomass production
- Use of fertiliser produce from food waste using anaerobic digester
- Shift to regenerative, ecological and sustainable ways of farming

MINING AND QUARRYING

## B Miner — MEDIUM

**AREAS OF CHANGE:**

- Energy sourced through renewables on site
- Enhanced Digital skills
- Increased precision through automation
- Use of carbon capture and storage technology

MANUFACTURING

## C Production Manager — MEDIUM

**AREAS OF CHANGE:**

- Reduction in use of energy and water
- Incorporating use of 3D printing technology
- Waste reduction and materials re-use
- Include systems of circular economy into manufacturing processes
- Re-design products to be sustainable, fossil-fuel free and reparable

ENERGY GENERATION, PRODUCTION & SUPPLY

## D Electrical Engineer — HIGH

**AREAS OF CHANGE:**

- Increasing demand for skilled people
- Understanding new electrical components for renewables
- Understanding the risks of climate change on electricity systems

WATER SUPPLY, SEWERAGE AND WASTE MANAGEMENT

## E Wastewater Plant Operator — HIGH

**AREAS OF CHANGE:**

- Increased demand to respond to flooding events and pollution control
- Following new systems to reduce energy use

CONSTRUCTION

## F Joiner — HIGH

**AREAS OF CHANGE:**

- Development of multi trade skills for retrofit
- New opportunities within off site construction pre-fabrication
- Increasing use of mass timber in more construction projects
- Increased knowledge of sustainable construction practices

WHOLESALE AND RETAIL TRADE, MOTOR VEHICLE REPAIR

## G Car Mechanic — HIGH

**AREAS OF CHANGE:**

- Phasing out of work on Internal combustion engines
- Battery isolation skills and new skills required for EV repair
- Battery specialists required for EVs

TRANSPORT & STORAGE

## H Truck Driver — HIGH

**AREAS OF CHANGE:**

- Change to driving electric vehicles
- New driving skills for electric vehicles
- Integrating re-charging into work schedules

HOSPITALITY & CATERING

## I Chef — LOW

**AREAS OF CHANGE:**

- End of cooking on gas
- More plant based and locally sourced ingredients
- Use of water and energy saving processes and equipment
- Use of plastic free and compostable packaging
- Creating pathways to minimise food waste

INFORMATION & COMMUNICATION

## J Software Engineer / App Developer — MEDIUM

**AREAS OF CHANGE:**

- Increasing demand for skills
- Creating products and solutions for low carbon innovations
- Scheduling computer work at peak power times to make best use of renewable sources
- Increased awareness of carbon-intensity of cloud- based applications

FINANCIAL & INSURANCE ACTIVITIES

## K Accountant — LOW

**AREAS OF CHANGE:**

- Technical advice and valuation linked to climate change risks and mitigation
- Analysis relating to green investments and green bonds
- Increase in video conferencing and digital solutions

REAL ESTATE ACTIVITIES

## L Estate Agent — LOW

**AREAS OF CHANGE:**

- Digitised processes
- Travel minimisation
- Online viewings
- Flood risk awareness and advice

PROFESSIONAL, SCIENTIFIC AND TECHNICAL

## M Solicitor — LOW

**AREAS OF CHANGE:**

- Net zero/ climate law specialists
- Providing climate conscious legal advice
- Managing legal response to extreme weather events

ADMINISTRATION & SUPPORT SERVICES

## N Customer Service Adviser — LOW

**AREAS OF CHANGE:**

- Increased remote working
- Adoption of new green computing technology

PUBLIC ADMINISTRATION AND DEFENCE

## O Fire Fighter — LOW

**AREAS OF CHANGE:**

- Electric battery isolation in EVs
- Flood risk response skills
- Water efficiency measures in fire fighting
- Natural disaster response skills

EDUCATION

## P Teacher — LOW

**AREAS OF CHANGE:**

- Curriculum changes in different subjects focused on sustainability
- Nature based activity incorporated in curriculum
- Implementing new resource efficiency systems and measures in building

HEALTH & SOCIAL CARE

## Q Nurse — LOW

**AREAS OF CHANGE:**

- Digital technology to reduce travel
- Reduction in use of disposable plastic e.g. gloves
- Resource efficiency measures to reduce waste, energy and water use

ARTS, ENTERTAINMENT AND RECREATION

## R Leisure Centre Assistant — LOW

**AREAS OF CHANGE:**

- Using energy saving technology within leisure centre management
- Waste minimisation and product re-use
- New low carbon pool cleaning and disinfection system

OTHER SERVICE ACTIVITIES

## S Hairdresser — LOW

**AREAS OF CHANGE:**

- Use energy and water saving equipment in salon
- Reduce hot water use
- Advice customers on sustainable hair care
- Waste reduction – use of refills and recyclable products