Occupation One-Pagers

Viewed collectively, it is clear that the Green Economy in the Chicago Region offers better opportunities to those without a college degree, in the form of jobs with higher wages, than the Total Economy. However, there is significant variation in the preparation required, wages provided, regional sector strength, and the day-to-day nature of the job across the 320 occupations in the Green Economy.

Detailed economic data from the Occupational Employment and Wage Statistics (OEWS) annual estimates by the BLS are available for 264 the 320 occupations in the Green Economy (83%), documenting information on Job Zones, technologies, certifications, employment, and the main tasks associated with the job.

How To Read These One-Pagers

An example one-pager is included on the next page. It is important to note that some information is incomplete, and in other cases condensed to enhance legibility. The full scope of data for an occupation can be found using the links under *Other Resources.*

A. Summary Box
1. **Occupation Title and SOC Code** that is formally used by ONET
2. **Green Economy Icons** to indicate whether an occupation falls within one or more of the subcategories:
   i) **Clean Energy Production (Solar Panel)** includes clean energy generation, transmission, and distribution
   ii) **Energy Efficiency (Batteries)** includes manufacturing of energy-efficient products, construction of energy-efficient buildings, and provision of energy-efficient services
   iii) **Environmental Management (Leaf)** includes environmental management, conservation, and regulation
3. **Description** of the general occupation
4. **Other Resources** links to the complete set of data present in ONET

B. Job Title Examples
1. A sample of the job titles that people currently employed in the occupation hold.

C. Job Zone
1. **Preparation, Education, Experience and Training** levels required for the occupation.
2. **Core Certifications and Hot Technologies (If Available)** that are frequently included in employer job postings.

D. Employment and Wages (Chicago MSA, IL, USA – If Available)
1. **Summary Table** showing the employment totals, location quotient, and median wage across the United States, Illinois, and the Chicago MSA for 2021 (if available). A location quotient greater than 1 indicates the region has a higher concentration in that occupation than the nation.
2. **Wage Distribution Chart** showing the 10th Percentile, 50th (Median), and 90th Percentile of wages across each region (if available).

E. Core Tasks
1. **Top 5 Core Tasks** of the given occupation according to current job holders. Frequency is translated from the survey instrument scale of 1 (Yearly or Less) to 7 (Hourly or More). Importance of the Task is translated from 1 (Not Important) to 5 (Extremely Important).

Example One-Pager

Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic A1

51-4081.00

A2

Description: Set up, operate, or tend more than one type of cutting or forming machine tool or robot. A3

Other Resources:
ONET Link
MyNextMove Link A4

B1 **Sample of Reported Job Titles:** Cell Technician

Job Zone

C1 **Title:** 2 - Some Preparation Needed

Education: Usually require a high school diploma.

Experience: Some previous work-related skill, knowledge, or experience is needed.

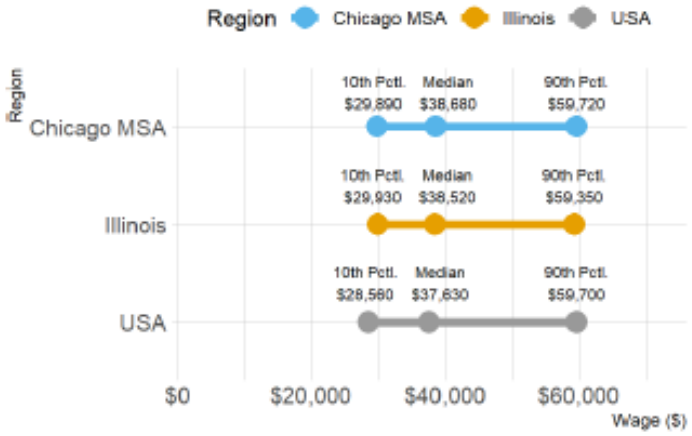
Training: A few months to one year of working with experienced employees needed. A recognized apprenticeship program may be associated with these occupations.

Core Certifications: Machining Level I - CNC Milling: Programming Setup & Operations

C2 **Hot Technologies:** Autodesk AutoCAD, Enterprise resource planning ERP software, Microsoft Office Suite, SAP business and customer relations management software

Region	Employment	Location Quotient	Median Wage
Chicago MSA	4,810	1.19	$38,680
Illinois	7,050	1.31	$38,520
USA	134,880	–	$37,630

D1



D2

Top 5 Core Tasks According to Current Job Holders	Frequency	Importance (out of 100)
Inspect workpieces for defects, and measure workpieces to determine accuracy of machine operation, using rules, templates, or other measuring instruments.	Hourly or more	91
Read blueprints or job orders to determine product specifications and tooling instructions and to plan operational sequences.	Hourly or more	87
Position, adjust, and secure stock material or workpieces against stops, on arbors, or in chucks, fixtures, or automatic feeding mechanisms, manually or using hoists.	Daily	87
Select, install, and adjust alignment of drills, cutters, dies, guides, and holding devices, using templates, measuring instruments, and hand tools.	Hourly or more	87
Observe machine operation to detect workpiece defects or machine malfunctions, adjusting machines as necessary.	Hourly or more	84

E1

*Sources: US Department of Labor O*NET 26.3 Database (May 2022 Release); Bureau of Labor Statistics Occupational Employment and Wage Estimates - National, State, and Metropolitan (May 2021 Release)*

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