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Massachusetts Climate Careers: Powering the Future

**Climate Hero Spotlight: Construction,
Installation, and Maintenance Workers**



Opening Activity

Think back on an activity you completed for any previous lesson in this class.

How do construction, installation, or maintenance workers make that project possible?





Today's Agenda

- **The Big Question and My Climate Goals**
- **Introduction to Construction, Installation, and Maintenance Careers**
- **Career Paths, Skills, and Training**
- **Recruit Your Project Dream Team**
- **Takeaways and Closing**



The Big Question

How do construction, installation, and maintenance workers contribute to climate solutions?





My Climate Goals

When you complete this lesson, you'll be able to

1. Identify various construction and maintenance careers in climate solutions
2. Understand the growing demand for these roles due to state climate goals
3. Explore the skills and training needed for these careers
4. Discuss how these careers align with your personal interests and skills.



Job Types

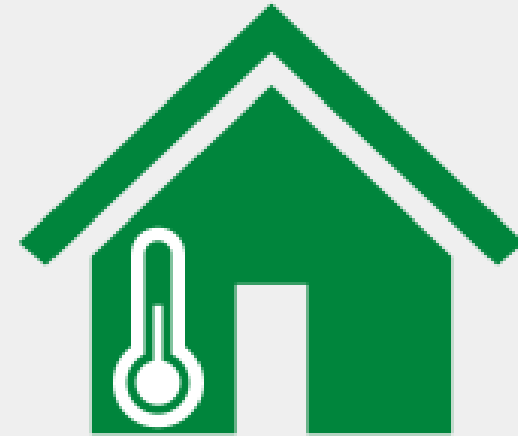
- Construction workers
- HVAC technicians
- Weatherization technicians
- Plumbers and pipefitters
- Sheet metal workers

Wages range from \$22/hour to \$35/hour. Prevailing wage rates can be higher.



MA Climate Goals

We need skilled workers to install energy-efficient systems, weatherize homes, and support green infrastructure projects to reach Massachusetts's ambitious climate goals.



Goal: Weatherize 185,000+ homes and small businesses between 2025 and 2027

Skills and Training Needed

Necessary Skills:

- Strength and stamina
- Math and measuring skills
- Reading blueprints
- Operating tools and machinery



Available Training:

- OSHA 10 Certification
- New England Laborers' Training Academy
- Specialized training centers

Climate Watch: Video





Climate Watch Discussion

1. What is one thing you learned?
2. What is most surprising about the weatherization process shown in the video?
3. What skills or expertise seem more important for the weatherization process?



Climate Watch: Video





Group Activity

Recruit Your Project Dream Team

Determine which construction or installation workers are needed to complete your clean energy project:

- What workers are needed?
- What skills are required?
- What challenges might the project face?



Activity Debrief

1. How do these teams contribute to clean energy and climate goals?
2. Which skills were needed most often across these projects?
3. Which skills can help meet the common challenges these projects would face?



Key Points

- Construction and maintenance careers are critical to climate goals.
- These jobs require hands-on skills, and there are many ways to gain training.
- Exploring these careers can lead to meaningful work in clean energy sectors.



Closing Activity

- What specialized skills distinguish construction, installation, and maintenance workers?
- What questions do you still have about skills and training for these careers?
- In what ways are construction, maintenance, and installation workers critical to the clean energy transition?



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