



294 Washington St., 11th Floor
Boston, MA 02108
P: 617-315-9300 • F: 617-315-9356
info@masscec.com • www.masscec.com

Her Excellency Maura Healey
Governor of the Commonwealth of Massachusetts
State House, Room 360
Boston, MA 02133

December 30, 2025

Re: 2025 MassCEC Climatetech Industry Report

Dear Governor Healey,

In accordance with MGL23J Section 5, the Massachusetts Clean Energy Center (MassCEC) is required to produce a report detailing the Commonwealth's climatetech industry. The report must include an examination of the growth rate of the Commonwealth's climatetech industry, including the number of in-state jobs and businesses. 2024 legislation updated MassCEC's purview to not just clean energy but also to climatetech. This expanded focus allows MassCEC's work to foster greater economic impact within the Commonwealth and move closer to the state's 2050 net zero emissions target. Beginning this year, MassCEC is providing a new Climatetech Industry Report, which establishes baseline data required to track future growth of the industry in subsequent annual reports.

Massachusetts continues to lead the way by being the **first state** to create a definition and track employment for the climatetech industry. Climatetech encompasses innovative technology solutions that lower emissions within supply chains and services, mitigate the impacts of climate change, and help communities adapt and build resilience to future climate events. The industry can be broken into the following three segments, defined as:

Clean Energy: Generating or transporting energy, reducing consumption of energy, or monitoring, capturing, or sequestering carbon dioxide or other greenhouse gas (GHG) emissions.

Greenhouse Gas Mitigation Goods and Services: Producing goods or offering services that result in lower GHG emissions (including but not limited to low carbon building materials, manufactured alternative food proteins, waste management, and recycling).

Climate Impact Prevention, Mitigation, and Repair: Preventing, mitigating, or repairing damage from climate events (including but not limited to flooding, wildfire, sea level rise, and extreme temperature).

Climatetech Job Data:

Massachusetts has a total of **162,940** climatetech workers across the three industry segments:

- Clean Energy – **118,114** jobs
- Greenhouse Gas Mitigation Goods and Services – **19,325** jobs
- Climate Impact Prevention, Mitigation, and Repair – **25,501** jobs

Climatetech is a significant driver of the Massachusetts economy, employing roughly **1 in every 20** workers within the state. Additionally, climatetech workers are geographically dispersed, with **68%** living outside Route 128.

Within the *Clean Energy* segment of the industry, the majority of jobs (**67%**) are focused on Energy Efficiency, Demand Management, and Clean Heating and Cooling.

Jobs within the *Greenhouse Gas Mitigation Goods and Services* segment are mostly focused on Low-Emission Building and Construction Materials (**28%**), Low-Emission Manufacturing and Extraction Processes (**26%**), and Low-Emission Waste Management (**20%**).

Within the *Climate Impact Prevention, Mitigation, and Repair* segment, jobs are mostly focused on Built Environment Resiliency and Adaptation (**30%**), Coastal Management (**22%**), and Water Management (**22%**).

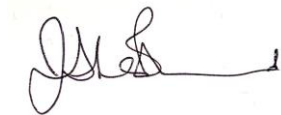
The climatetech industry directly contributes **\$17.3B** to the Massachusetts Gross State Product (GSP) and the 162,940 direct climatetech jobs also support 46,151 indirect jobs and 95,591 induced jobs in Massachusetts. As a result, the industry supports a total of **304,683** direct, indirect, and induced jobs, which combined contribute a total of **\$51.2B** in GSP, **\$3.7B** in state and local taxes, and **\$7.9B** in federal taxes.

The climatetech industry is robust, with **10,569** businesses across Massachusetts. This equates to almost **4%** of all businesses within the Commonwealth conducting some activity relevant to the climatetech industry. Of the climatetech businesses in the state, **46%** are small businesses with 10 or fewer employees.

In 2024, **\$4.4B** was invested in early-stage climatetech companies, with **89%** of investments occurring at the commercialization and growth stage when companies are looking to expand manufacturing capacity and identify early-stage customers. Additionally, there was **\$72M** awarded in public grant funding to climatetech companies, researchers, and innovators in Massachusetts. As a continued indicator of innovation, there were **263** climatetech patents granted to Massachusetts inventors during that same period.

Massachusetts climatetech jobs are geographically dispersed across the state and the Workforce Skills Cabinet (WSC) regions. Greater Boston WSC has the majority of the state's climatetech jobs (**42%**), while Central Mass WSC has the highest proportion of climatetech workers to the total regional workforce, at **7%**.

Sincerely,



Jennifer Le Blond, Ph.D.
Interim Chief Executive Officer

Cc: Honorable Rebecca Tepper, Secretary of Energy and Environmental Affairs
Honorable Members of the House Committee on Ways and Means
Honorable Members of the Senate Committee on Ways and Means
Honorable Members of the Joint Committee on Economic Development and Emerging Technologies
Honorable Members of the Joint Committee on Telecommunications, Utilities and Energy