

Emission Reduction Scenarios

As part of the Climate Action Planning process, Freeport will select a set of emission reduction goals to be achieved over the next few decades. These targets will help in tracking and monitoring Freeport's process in implementing the CAP.

Science Based Targets (SBTs)

30% Reduction by 2030



Net Zero by 2050

SBTs were developed in line with the Paris Agreement's pledge to prevent global temperatures from increasing more than 1.5°C. Achieving these targets will require significant mitigation actions.

Maine Won't Wait Targets

45% Reduction by 2030



80% Reduction by 2050

These goals, established in the State's climate action plan in 2020, will be achieved statewide with municipal and individual cooperation.

Business as Usual

No Reduction Efforts +
Population Growth

↓
Increased Emissions

In a business-as-usual approach, no emission mitigation strategies are employed, and the town continues to function without intentional reduction of fossil fuel use. Population growth is assumed based on local population trends.

Reducing Emissions: Potential Pathways



Electrify products that directly use fossil fuels



Protect and conserve natural areas and resources



Improve insulation and energy efficiency of buildings



Connect with and educate community members

What targets have other towns committed to?

| Emission Reduction Timelines | One Climate Future (Portland and South Portland) | Yarmouth Climate Declaration | Falmouth Climate Action Plan |
|------------------------------|--|------------------------------|------------------------------|
| By 2030 | 33% | 80% | 65% |
| By 2040 | 59% | -- | 85% |
| By 2050 | 81% | 100% | 100% |
| Municipal Operations | 100% by 2030 | 100% by 2030 | 100% by 2040 |