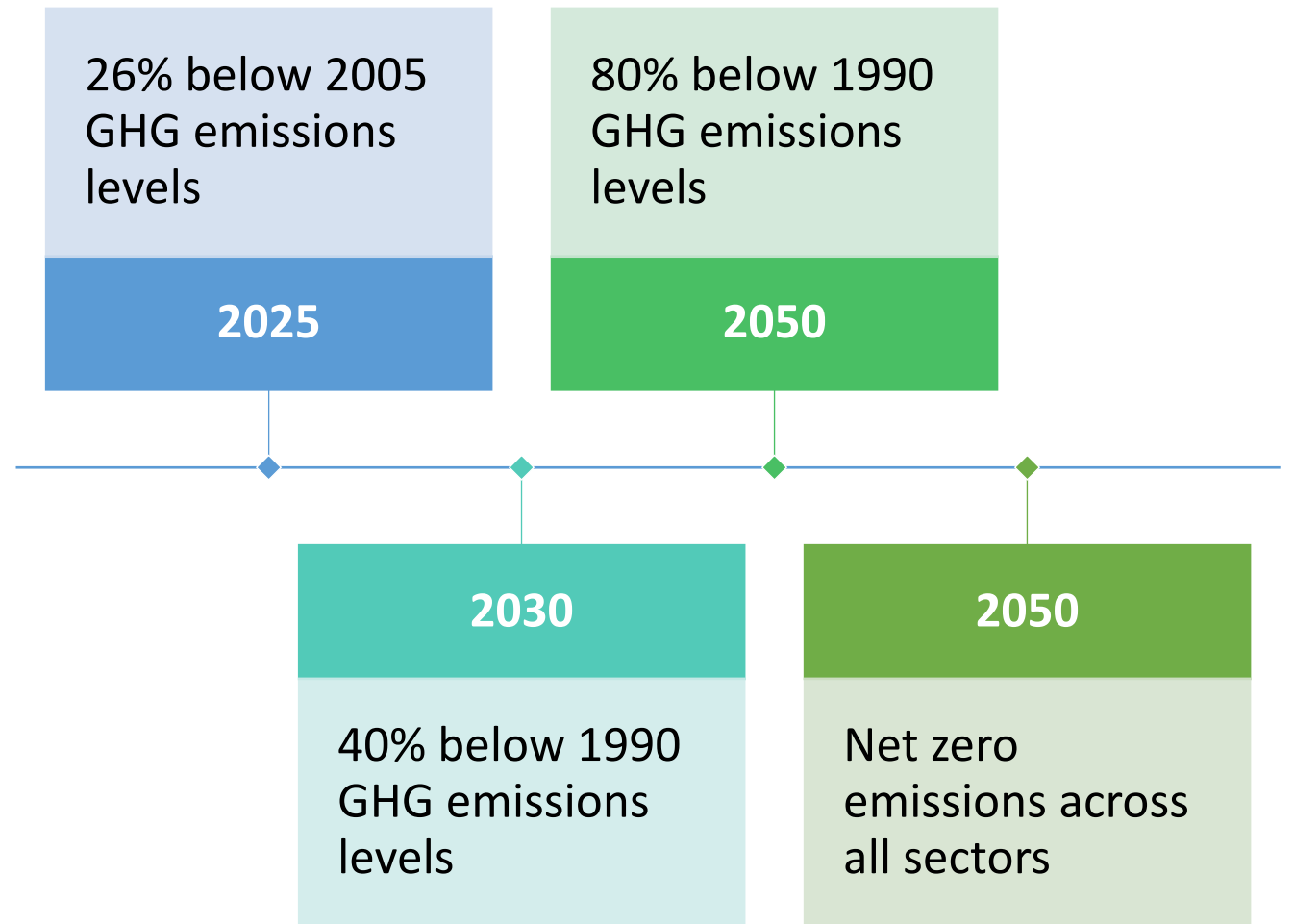



Developing Measurable Goals for the Vermont Climate Action Plan

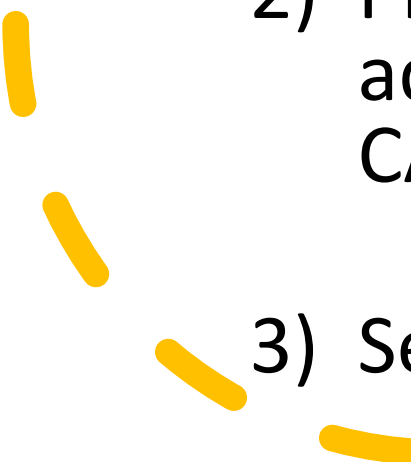


GWSA GHG Reduction Requirements and Emissions Goals





Developing sequestration, adaptation, and resilience goals tied (if possible) to the 2025, 2030, and 2050 timeframe will:

- 1) Inform and strengthen the role of adaptation, resilience, and sequestration in the GWSA.
 - 2) Provide benchmarks by which to measure sequestration, adaptation, and resilience actions when implementing the CAP.
 - 3) Set the scale and kind of action needed to achieve them.
- 

Goals should be:

- Broad
- Potentially tied to the 2025, 2030, or 2050 timeframe
- Address multiple pathways

Ideally there will be one set of goals for sequestration, one set for adaptation and resilience in natural and working lands, and one set for adaptation and resilient in municipalities and the built environment.

- *A “set” is three goals, one each tied to the 2025, 2030, and 2050 timeframe.*

CLIMATE ADAPTATION GOAL

Persistent, equitable climate adaptation

INTERIM TARGETS

2030 Climate-resilient governance

Local governments incorporate the *Steps to Resilience* into local permitting and regulation. Across jurisdictions, establish baselines for resilience; quantify vulnerability and risk to expected climate changes.

2040 Resilience across jurisdictions

Secure funding for adaptation projects that span municipal boundaries. Achieve measurable improvement in adaptive capacity for health, infrastructure, and services.

2050 Cohesive, resilient communities

All new infrastructure exceeds baseline levels of vulnerability and risk. Throughout the region, end-of-century climate projections shall be incorporated into operations, management, and capital planning.

CLIMATE MITIGATION GOAL

Net zero greenhouse gas emissions

INTERIM TARGETS

2030 Reduce GHG emissions 50% from 2005 levels

2040 Reduce GHG emissions 65% from 2005 levels

2050 Reduce GHG emissions at least 80% from 2005 levels

- **Chicago Climate Action Plan** has two sets of goals, with **targets** tied to timeframe.
- Goals, targets, and objectives lead to mitigation and adaptation strategies.

Strategy 16: Conserve forests and working lands

Forests, chaparral shrublands, and wetlands serve as carbon sinks that can sequester carbon dioxide that result from human activity. When these natural and working lands are converted to residential and other urbanized uses, that stored carbon dioxide is released into the atmosphere. Conserving and restoring these lands keeps carbon in the ground and provides a multitude of benefits from maintaining biodiversity in Significant Ecological Areas (SEA) to preserving the character of the unincorporated County's rural areas.

2025 Target	2035 Target	2045 Target
Restore 2,000 acres of forest land Increase urban tree canopy cover by 10%	Restore 4,000 acres of forest land Increase urban tree canopy cover by 15%	Restore 6,000 acres of forest land Increase urban tree canopy cover by 20%
GHG Mitigation Potential 2015-2025	GHG Mitigation Potential 2015-2035	GHG Mitigation Potential 2015-2045
Land Conservation and Reforestation 0.5 million MTCO ₂ e	Land Conservation and Reforestation 1.2 million MTCO ₂ e	Land Conservation and Reforestation 2.2 million MTCO ₂ e
Urban Forestry 0.01 million MTCO ₂ e	Urban Forestry 0.04 million MTCO ₂ e	Urban Forestry 0.08 million MTCO ₂ e

- **LA County Climate Action Plan** has 43 targets covering 17 strategies

INTRODUCTION

The Effects of Climate Change on Vermont

Vermont's Climate Action Plan Requirements and Goals (2025, 2030, 2050)

GWSA Requirements

Emissions Reduction Requirements in the GWSA

Measurable goals for sequestration, adaptation, and resilience developed by the Council

Foundational Criteria

Building Equity into the CAP

Scientific Decision-Making Tools and Recommendations

PATHWAYS

Strategies

Actions Ready for Implementation *[these are actions that are ready to move to implementation step, such as rule-making, legislation, or administrative action]*

Actions Requiring Additional Development

IMPLEMENTATION

Implementing Vermont's Climate Action Plan

Measuring and Assessing Progress

Connect with the Council

Definitions and Acronyms



Next Steps:

- August 23rd VCC Meeting – Presentation of measurable goals
- September – Equity Facilitation at Subcommittee Level
- September 28th VCC Meeting – Presentation of preliminary package of actions
- November 8th VCC Meeting – Presentation of final package of actions with Consolidated Assessment of Actions on foundational criteria and Cost and Funding Considerations