

MN Climate Action Framework

Infrastructure Resilience Advisory Task Force
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OUR MINNESOTA CLIMATE

What we'll cover

- MN's Climate Action Framework
 - with a focus on resilience
- Case study of Framework implementation:
 - climate budget and resilient community grants
- Reflections for the Task Force





Why a Climate Action Framework?

- Create a bold vision for Minnesota
- Invite conversation
- Organize our thinking and action
- Ensure accountability

Climate Change Subcabinet

Governor

Climate Change Subcabinet

**Advisory Council
on Climate Change**

Pollution Control Agency	Department of Commerce	Department of Labor and Industry	Department of Management and Budget	Department of Employment and Economic Development
Department of Agriculture	Department of Public Safety	Department of Natural Resources	Department of Health	Department of Transportation
Board of Water and Soil Resources	Department of Administration	Metropolitan Council	Environmental Quality Board	Minnesota Housing Finance Agency



Where we've been

Summer/fall 2021

Summary of concepts published and received input through:

- Meetings with stakeholders
- Meetings with Tribes, including Government-to-Government Forum
- Engagement HQ online platform

February 2022

Draft Framework published, informed by public input

Winter/spring 2022

Receive input on draft Framework through:

- Six stakeholder workgroups
- Engagement HQ online platform
- Written email comments
- Meetings with Tribal staff

June 2022

Governor's Advisory Council on Climate Change reviews and comments on public input, and recommends changes to Framework

Summer 2022

Agency teams revise Framework based on input

September 2022

Climate Action Framework published

The climate vision for our state



Carbon-neutral

By 2050, Minnesota substantially reduces greenhouse gas (GHG) emissions and balances any GHG emissions with carbon storage, especially in our landscapes.



Resilient

Minnesota communities, businesses, and the natural environment can prepare, respond to, and recover from the impacts of climate change so all Minnesotans can thrive in the face of these challenges.



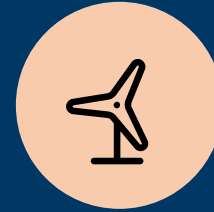
Equitable

Minnesotans acknowledge and address inequitable and inaccessible systems that contribute to some communities experiencing disproportionate climate change impacts; ensure fair distribution of the costs and benefits of action now and to future generations; and ensure meaningful participation in planning.

Framework goal areas



Clean
transportation



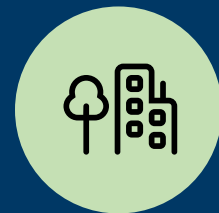
Clean energy and
efficient buildings



Climate-smart natural
and working lands



Healthy lives and
communities



Resilient
communities

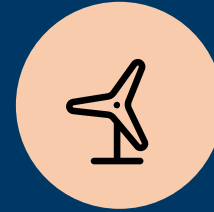


Clean
economy

Framework goal areas



Clean
transportation



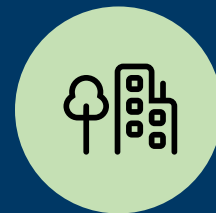
Clean energy and
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Climate-smart natural
and working lands



Healthy lives and
communities



Resilient
communities



Clean
economy

Key terms

MITIGATION reduces greenhouse gas emissions and addresses the causes of climate change.

ADAPTATION reduces vulnerability to climate change impacts

RESILIENCE is the ability of communities, natural areas, ecosystems, populations, and the built environment to recover and even thrive from the consequences of climate change.

Goal 3: Resilient communities

The vision:

- Communities across Minnesota have the resources and support to plan for and implement projects to build a more resilient future for themselves. Air pollution is reduced, especially in communities most affected by it.
- Physical infrastructure, natural systems, and communities are more prepared for climate impacts and can recover from extreme events.



Initiative 3.1: Climate-Smart Communities



Build community capacity to protect against and withstand the effects of climate change.

- Provide needed technical assistance, tools, maps and data
- Deliver necessary funding
- Share best practices through learning networks

[17 Climate Action Steps]

Initiative 3.2: Health community green spaces and water resources

Expand and protect tree canopies; parks and other green spaces; and lakes, rivers, and wetlands that provide community resilience benefits.

- Expand community tree plantings and tree preservation
- Plant beneficial vegetation on urban land
- Protect and improve water quality and quantity

[12 Climate Action Steps]



Initiative 3.3: Resilient buildings, infrastructure, and businesses



Help the built environment and local economies become more resilient to climate change.

- Plan for climate adaptation in residential & commercial developments
- Fund resilient infrastructure, critical facilities
- Green infrastructure, stormwater management
- Reduce the urban heat island effect
- Support adaptation for local businesses

[15 Climate Action Steps]

Resilient Communities: Measures of progress



By 2030, 100% of Minnesotans live in communities with plans that identify climate risks and actions to build resiliency.



By 2026, at least 25 adaptation projects that increase community resiliency are fully funded.



Achieve 30% overall tree canopy cover in Minnesota communities by 2030 and 40% by 2050.



Current Work: Resilient Communities Goal Team

- 1 of 6 goal teams working to implement the Climate Action Framework
- Previously led engagement work and development of three focus areas for resilient communities in the Climate Action Framework

Resilient Communities – Near Term Priority Action Steps

- Provide more resources for adaptation.
- Increase capacity of the GreenStep Cities program.
- Plant climate-ready trees and preserve mature trees.
- Expand green infrastructure and stormwater management.
- Adopt resilient building policies.
- Assess vulnerabilities at critical facilities.
- Combat heat islands.

Case study of implementation: climate budget proposal

- 11 of 15 Subcabinet Agencies submitted budget proposals
- Closely resembled the total spending in the 2022 supplemental proposal
- Touched all areas of the Climate Action Framework

AGENCY	FY 2024-25
MDA	\$19.8 million
MDH	\$34.158 million
DLI	\$3.715 million
BWSR	\$97.26 million
DEED	\$10 million
MPCA	\$212.96 million
DNR	\$39.234 million
Commerce	\$231.698 million
ADMIN	\$2.4 million
MnDOT	\$11.4 million
Met Council	\$46.2 million
General Fund Total	\$708.825 million

Goal 3 - Resilient Communities

Governor & Climate sub-cabinet resilience recommendations

- Resilient Communities Grants and Technical Assistance - \$174M, \$1.1 thereafter (PCA)
- Tribal Governments Technical Assistance - \$4M, \$2M thereafter (PCA)
- GreenSteps Cities & Tribes Program - \$380K, \$190K thereafter (PCA)
- Community ReLeaf Program - \$15.2M, \$402K thereafter (DNR)
- Strengthen Minnesota Homes - \$32.5M, \$1.2M thereafter (Commerce)



Case study of implementation: resilient communities grants



- Expands an existing grant program to support the planning and implementation of climate-smart infrastructure updates to prevent flooding and other impacts.
- Funded at \$100 million in FY 24/25 from General Fund (Gov's original proposal was \$173.88 mi)
- Proposal built on engagement in Climate Action Framework development; responsive to needs identified by MN communities

Resilient Community Grants

- Purpose: to help communities plan and implement resilience projects
- Local governments and Tribal governments are eligible
- Planning, design and construction of stormwater, wastewater, and other community resiliency projects
- Technical assistance to conduct the design, analysis, or assessment aspects of projects
- Implementation grants coming in two rounds: stormwater and community resilience



Reflections for the Task Force

- Agencies now have years of experience building interagency structure, culture, & process to take climate action
- Continue to build on the ability to ground policy & budget development in community engagement & interagency collaboration
- Climate subcabinet & Climate Action Framework can be strong partners in resilient infrastructure



OUR MINNESOTA CLIMATE

Resilient Communities & Equity

An equitable transition to a more resilient Minnesota will:

- Prioritize engagement of front-line communities in work to assess climate risks and identify priority actions to mitigate risks.
- Fund resiliency planning and infrastructure improvements in communities that have been under invested in historically through use of a climate & equity index and other resources.
- Prioritize clean-up strategies and climate adaptation investments in neighborhoods with fewer resources and that are disproportionately affected by unhealthy water, soil, and air.



Workgroup Recommendations included into the Framework

Develop metrics that, inform and drive progress, and align with the initiatives.

Establish durable and reliable resources that expand local capacity to implement community-driven adaptation plans.

Create an inventory of tools and guidance to help communities assess tree canopy, stormwater, and resilient infrastructure opportunities.

Prioritize the use of vulnerability assessments to determine community strengths and needs.

Accelerate training and job creation statewide to advance climate adaptation work and incorporate climate adaptation into clean economy initiatives, including in climate-smart natural and working lands.

Expand the role of resiliency in building codes and land use regulation