

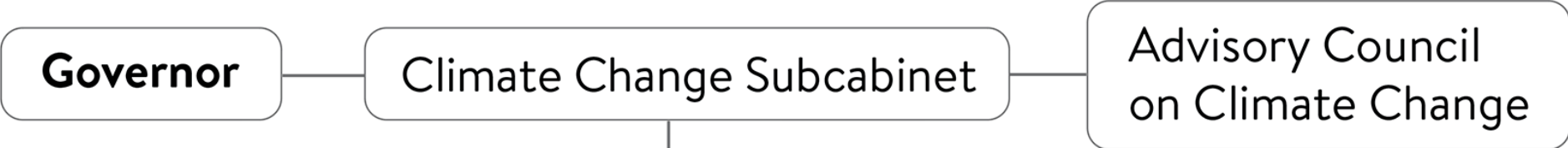
Minnesota's Climate Action Framework

House Climate & Energy Finance and Policy Committee
January 31, 2023

Frank Kohlasch | Assistant Commissioner, Minnesota Pollution Control Agency



Climate Change Subcabinet



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

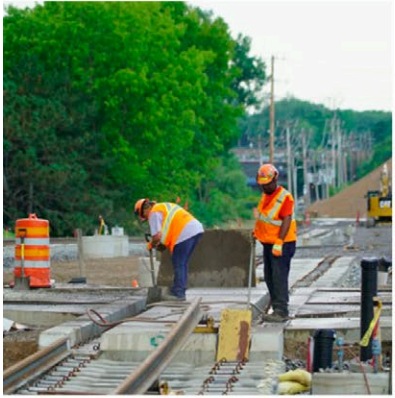


Why a Climate Action Framework?

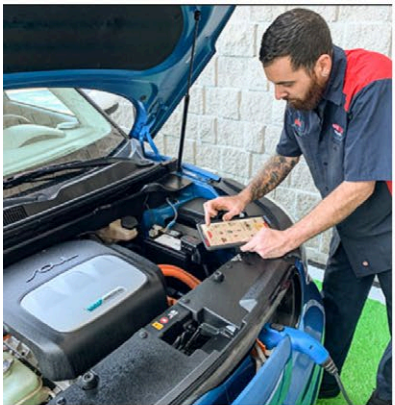
- Create a bold vision for Minnesota
- Invite conversation



- Ensure accountability
- Organize and share our thinking



- Catalyze action across sectors





How we got here

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

Key messages



Climate change is happening now

We must accelerate action

Climate change affects everyone,
but some are hit harder

We must work together to meet
global goals

Opportunity to grow our economy
and improve our health, equity,
and the environment

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.

Additional targets

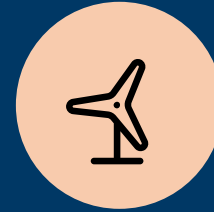
- To align with the best science from the Intergovernmental Panel on Climate Change:
 - Reduce GHGs 50% by 2030
 - Net-zero emissions by 2050
 - Prioritizing resilience investment over the next 10 years
- Need action by all levels of government, businesses, nonprofits, and individuals



Framework goal areas



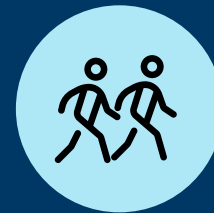
Clean
transportation



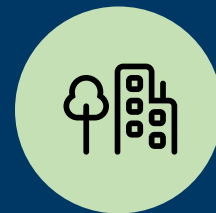
Clean energy and
efficient buildings



Climate-smart natural
and working lands



Healthy lives and
communities



Resilient
communities



Clean
economy



Clean transportation

The vision:

- Minnesota's transportation system is sustainable, resilient to a changing climate, and supports equitable transportation options for all Minnesotans.
- Air pollution is reduced, especially in communities most affected by it.
- Walking, biking, rolling, and transit options are accessible, safe, and plentiful.



Clean transportation

- Increase funding for non-motorized transportation
- Increase transit services
- Plan land use and transportation together



Clean transportation

- Continue exploring opportunities for a clean fuels standard
- Expand regional charging
- Develop a Minnesota EV plan



Highlighted Budget requests

- **Transportation:** Maximize Federal Transportation Climate Funding
- **Transportation:** Sustainable Aviation Fuel Pilot
- **Metropolitan Council:** IJA Match for Bus Electrification

Climate-smart natural and working lands

The vision:

- Absorb and store more carbon, produce food and other products
- Sustain local economies, enhance climate resiliency
- Improve the quality of life for all Minnesotans



Climate-smart natural and working lands

- Expand climate-resilient agriculture and forestry
- Manage agricultural lands in a way that reduces GHG emissions
- Increase water storage and infiltration and manage drainage



Climate-smart natural and working lands

- Promote local and community-based agriculture
- Invest in new markets and supply chains for crops
- Prioritize groundwater and drinking water protection



Highlighted Budget requests

- **Agriculture:** Soil Health Equipment Grants
- **BWSR:** Soil Health Practices Acceleration
- **DNR:** Protect and Restore Carbon Storage



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.



Resilient Communities

- Provide more resources for adaptation
- Increase capacity of the GreenStep Cities program
- Plant climate-ready trees and preserve mature tree



Resilient Communities

- Expand green infra-structure and storm-water management
- Adopt resilient building policies
- Assess vulnerabilities at critical facilities
- Combat heat islands



Highlighted Budget Requests

- **PCA:** Resilient Communities Grants and Technical Assistance
- **Commerce:** Strengthen Minnesota Homes
- **Health:** Strengthening Public Drinking Water Systems' Infrastructure





Clean energy and efficient buildings

The vision:

- Minnesotans have reliable, clean, and lower-cost energy through equitable investments in energy efficiency, clean energy, and low-carbon technology.
- The transition creates more jobs and more comfortable homes and businesses.



Clean energy and efficient buildings

- Establish a standard to achieve 100% carbon-free electricity
- Adapt the grid
- Reduce emissions related to heating and cooling homes and businesses



Clean energy and efficient buildings

- Reduce energy use and waste
- Improve codes and standards



Highlighted Budget requests

- **Commerce:** Competitiveness Fund
- **Commerce:** Pre-weatherization and Workforce Training
- **Labor & Industry:** Existing Buildings Energy Efficiency

Healthy lives and communities

The vision:

Minnesotans are healthy, safe, and resilient in the face of climate change, especially those that live in the communities that are most impacted.



Healthy lives and communities

- Raise awareness of health impacts
- Fund and support community-led initiatives
- Prepare for diseases



Healthy lives and communities

- Track, monitor, and compile a regular report on the health impacts
- Adapt outdoor recreation on public lands
- Assess healthcare resilience
- Provide proactive health services



Highlighted Budget requests

- **Health:** Public Health Climate Resiliency
- **PCA:** Tribal Assistance Contractor



Clean economy

The vision:

- Minnesota has a strong economy, aided by public and private investments in emerging research, technology, and businesses.
- Tens of thousands of people are employed in mitigating and adapting to climate change.
- Minnesota companies sell sustainable products made with green processes.
- Labor, businesses, and educational institutions collaborate to support skills training for in-demand jobs.



Clean economy

- Complete a clean economy workforce and economic development plan
- Encourage innovation
- Develop worker skills



Clean economy

- Support power-plant host communities
- Identify and remove barriers to employment and training
- Assist businesses moving toward sustainability



Highlighted Budget Requests

- **Labor & Industry:** Growing Clean Economy Apprenticeships
- **DEED:** Energy Transition Grant Program
- **Commerce:** Solar for Schools





What's next

- Continued engagement
- Improving data and measures
- Leveraging federal action
- Continuing and advancing critical policy and programs
- Building partnerships

Thank you

Visit mn.gov/framework to learn more



OUR MINNESOTA CLIMATE