

Issues for consideration

Montana Climate Solutions Council Adaptation subcommittee

OVERVIEW

How changing climate will affect Montana and its people: increasing risk to the way of life of Montanans

Economy

Tourism, winter sports, air quality

Housing/communities/local businesses

Agriculture – beef/grain/small farmer

Natural resources including fish and wildlife

Infrastructure

Transportation -- water, surface, aviation

Communities

Education

Health

Energy infrastructure (generation and distribution)

Water resources (community systems/flooding/drought/irrigation/snowpack)

Tribal communities – impacts on economies and indigenous livelihoods

Rural communities

Disasters – severe weather, fire, drought, floods

Public health – air quality, water quality, disease vectors

Climate migration

PRINCIPLES

Montana values that support a smart adaptation process and plan

Two-fers: climate mitigation and adaptation

Science-based decision-making

Build on on-going plans and activities

Community-based solutions

Green infrastructure

Watershed/landscape level approaches

Sharing resources among communities and sectors

Environmental justice (poorest communities will bear the most severe impacts with fewest resources)

Mitigating risk from climate for business, communities, ecosystems

Capacity building throughout the state

Adaptative management

CLIMATE SOLUTIONS BY SECTOR AND REGION

Agriculture

Water resources

Forestry

Range

Communities: large, rural and tribal

Transportation infrastructure

Public health

Energy infrastructure

“Boxed” examples for the report could include examples of adaptation plans and/or stories

Missoula

Ag – soil health/conservation/efficiency
Water-energy nexus
Firewise communities
Riparian restoration
Confederated tribes
Whitefish
Wildlife/fish
Range
Forest
Water

Resources:

US Climate Resilience toolkit: <https://toolkit.climate.gov/>

C2ES: <https://www.c2es.org/document/maximizing-benefits-strategies-for-community-resilience/>

National Adaptation Forum: <https://www.nationaladaptationforum.org/>

Georgetown University Adaptation Clearinghouse:
<https://www.adaptationclearinghouse.org/>

Alice Hill/Hoover Institution: <https://www.hoover.org/research/ready-tomorrow-seven-strategies-climate-resilient-infrastructure>

California Adaptation Clearinghouse: <https://resilientca.org/>

Climate Adaptation Knowledge Exchange: <https://www.cakex.org/>