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 heath – 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

Adapative 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/


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/