

Bozeman's Climate Planning Framework:

Summary of Existing Plans

Bozeman Community Plan (2019 – Draft Underway)

The Community Plan will serve as a document to help guide the City on how to grow and develop within the context of rapidly changing land development and economic conditions. The Community Plan is still underway, but is expected to recognize the importance of continued growth and development in a responsible way, rethinking densities and growth boundaries.

<https://www.bozeman.net/departments/community-development/planning/community-plans-documents-reports>

Northwestern Energy Electric Supply Resource Procurement Plan (2019)

In this plan, Bozeman's electricity provider, Northwestern Energy (NWE), summarized its current power supply, future needs and its strategy for procuring additional resources to address supply needs. Concurrent with Bozeman's Climate Planning timeline, NWE will be conducting an independent competitive procurement process to secure up to 400 MW of peaking capacity. NWE analysis indicates that thermal resources are the lowest-cost resource but notes that renewable resources and energy storage costs are declining. The procurement process will consider all resources – natural gas, renewable energy and even "demand side" resources that reduce supply needs through energy efficiency.

https://northwesternenergy.com/docs/default-source/default-document-library/about-us/regulatory/2019-plan/executive-summary.pdf?sfvrsn=658f569c_5

City of Bozeman and MSU Stormwater Management Plan (2019)

The Stormwater Management Plan describes the plans and programs in place to improve water quality, comply with environmental regulations, and improve urban flood resiliency and climate change preparedness.

<https://www.bozeman.net/home/showdocument?id=5681>

Climate Vulnerability Assessment and Resilience Strategy (2019)

This plan inventoried key City infrastructure to evaluate Bozeman's climate-induced municipal vulnerability and identified key actions to maintain and enhance resilience. Heat, flooding, drought, declining snowpack, wildfire, and winter storms were the top climate hazards against which vulnerability was assessed.

<https://www.bozeman.net/home/showdocument?id=8958>

Downtown Bozeman Improvement Plan (2019)

The Downtown Bozeman Improvement Plan identifies climate change as an important backdrop for community planning efforts. Several focus areas of the plan, such as Heart of a Thriving Bozeman, Walkable and Accessible, and Connected to Nature & Culture, include recommendations that tie directly into the framework of the Bozeman Climate Plan (e.g., Community Development, Transportation, and Greenspace and Natural Systems).

https://s3.us-west-2.amazonaws.com/dba-2021/Resource-PDFs/2019_DBIP_with_Appendix_FINAL_ADOPTED_4-15-19.pdf

City of Bozeman Strategic Plan (2018)

With a shorter implementation horizon than the Community Plan, the interactive City of Bozeman Strategic plan puts many of the high-level ideas of broader community and area plans into an actionable format. The Bozeman Strategic Plan provides several actionable strategies oriented around community safety and risk abatement, well-planned growth, and a sustainable environment, among others. While many of these strategies relate to Climate Plan focus areas, including City Assets, Transportation, and Greenspace, the Strategic Plan also includes one goal explicitly linked to Climate Change: "Reduce community and municipal Greenhouse Gas (GHG) emissions, increase the supply of clean and renewable energy; foster related businesses."

<https://strategic-plan-bozeman.opendata.arcgis.com/>

Gallatin County Hazard Mitigation Plan (2018)

Similar to the Climate Vulnerability Assessment and Resilience Strategy (2019), the Gallatin County Hazard Mitigation Plan focuses on preparedness for hazards, including wildfire, earthquakes, and flooding. While the plan is not focused specifically on climate-induced hazards, it does recognize the role of climate change in exacerbating hazards in the future, especially wildfires.

https://www.readygallatin.com/wp-content/uploads/2019/06/FINAL-DRAFT-Gallatin-County-Hazard-Mit-Plan_05-30-2019_plus-MSU-Annex-CWPP_low_res.pdf

Bozeman Drought Management Plan (2017)

The Bozeman Drought Management Plan focuses primarily on short- and long-term actions to help mitigate potential drought. Uniquely, the plan recognizes the potential impacts of climate change on Bozeman's water system and the importance of planning for the additional uncertainty associated with this future change. Bozeman is expected to experience longer and more frequent drought periods in the future, partially associated with decreased snowpack.

<https://www.bozeman.net/Home/ShowDocument?id=4791>

Community Greenhouse Gas Emissions Report (2017)

The Community Greenhouse Gas Emissions Report is primarily an inventory of Bozeman's emissions, focused on transportation, buildings, waste, and water/wastewater. However, the end of this report includes a brief recommendations section. Recommendations include pursuing electrification of the vehicle fleet, commercial and residential building efficiency, and the completion of a vulnerability assessment and Climate Plan. The vulnerability assessment was completed in 2019 and the Climate Plan is currently underway.

<https://www.bozeman.net/home/showdocument?id=5418>

Economic Development Strategy (2017)

Though the Economic Development Strategy does not explicitly consider climate change, several of the plan's objectives and recommended actions fit into the Climate Plan's focus areas. Climate-related strategies include efficient density and community development and a focus on multi-modal transportation. The Economic Development Strategy also elevates the need to protect and enhance the outdoor and tourism industry, which is one of Bozeman's most climate-vulnerable economic drivers.

<http://weblink.bozeman.net/WebLink8/0/doc/120846/Electronic.aspx>

Transportation Master Plan (2017)

The Transportation Master Plan recognizes the importance of reducing transportation-related carbon emissions as part of a triple bottom line approach to evaluating transportation decisions. While the Plan focuses holistically on Bozeman's mobility, which includes options for vehicle mobility, the Transportation Master Plan includes several strategies and recommendations focused on Transportation Demand Management (TDM) and encourages the use of alternative modes of transportation, such as biking, walking, and taking transit.

<http://weblink.bozeman.net/WebLink8/0/doc/122828/Electronic.aspx>

Urban Forestry Management Plan (2016)

One of the foundational goals of the Urban Forestry Management Plan is to “develop [an] urban forest resilient to climate change and invasive pests.” The plan also recognizes the increasing threats associated with a changing climate and iterates the importance of a healthy urban forest to combat climate change. Plan strategies include building Bozeman's urban canopy infrastructure, bolstering maintenance protocol, and focusing on outreach and education.

<https://www.bozeman.net/home/showdocument?id=3621>

Integrated Water Resources Plan (2013)

The Integrated Water Resource Plan serves to “guide water supply and water use policy for the next fifty years.” Strategies focus primarily on demand reduction and supply diversification. While the Plan is primarily a technical document to ensure the provision of water for Bozeman into the future, it recognizes the potential impact of climate change on water systems in the future.

<https://www.bozeman.net/home/showdocument?id=836>

Municipal Greenhouse Gas Emissions (2012)

The Municipal Greenhouse Gas Emissions is an inventory of transportation, building, water/wastewater, and waste emission. The inventory concludes with an actionable framework with the following three priorities for municipal operations: energy efficiency and conservation, high energy performance standards for all new facilities and infrastructure, and a renewable energy plan.

<https://weblink.bozeman.net/WebLink/DocView.aspx?id=234375&dbid=0&repo=BOZEMAN&cr=1>

Community Climate Action Plan (2011)

The Community Climate Action Plan extends beyond municipal stewardship and action to identify climate goals and objectives for all of Bozeman. This plan establishes a goal of “reducing community-wide greenhouse gas emissions 10% below 2008 levels by 2025.” The 2011 Climate Action Plan includes a list of strategies oriented toward mitigating climate impacts through more efficient transportation, energy, buildings, and waste systems. This Climate Plan effort is an update to the Community Climate Action Plan.

<https://weblink.bozeman.net/WebLink/DocView.aspx?id=234376&dbid=0&repo=BOZEMAN>

Municipal Climate Action Plan (2008)

The Municipal Climate Action Plan establishes a city-operations climate goal of “reducing municipal greenhouse gas emissions 15% below 2008 levels by 2020.” Similar to the Community Climate Action Plan, the Municipal Climate Action Plan includes a list of strategies oriented toward mitigating climate impacts through efficient land use, energy, wastewater, and transportation planning.

<https://www.bozeman.net/home/showdocument?id=3140>

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Bozeman Parks, Recreation, Open Space, and Trails Plan (2007)

The Parks, Recreation, Open Space, and Trails Plan presents a roadmap for providing an equitable, well maintained park system to serve all of Bozeman’s residents. While the plan does not include any mention of climate change, the implementation of this plan may be seen as a mitigation tool by encouraging the protection and creation of greenspace and natural systems and encouraging the use of multi-modal trail systems.

<https://www.bozeman.net/home/showdocument?id=3284>

Related Climate Plan Focus Area

	Greenspace and Natural Systems	Community Development	Buildings	Energy and Utilities	City Assets	Consumption and waste	Transportation
Bozeman Community Plan (2019 – Draft Pending)							
Northwestern Energy Electric Supply Plan (2019)							
City of Bozeman and MSU Stormwater Management Plan (2019)							
Climate Vulnerability Assessment and Resilience Strategy (2019)							
Downtown Bozeman Improvement Plan (2019)							
City of Bozeman Strategic Plan (2018)							
Gallatin County Hazard Mitigation Plan (2018)							
Bozeman Drought Management Plan (2017)							
Community Greenhouse Gas Emissions Report (2017)							
Economic Development Strategy (2017)							
Transportation Master Plan (2017)							
Urban Forestry Management Plan (2016)							
Integrated Water Resources Plan (2013)							
Municipal Greenhouse Gas Emissions (2012)							
Community Climate Action Plan (2011)							
Municipal Climate Action Plan (2008)							
Bozeman Parks, Recreation, Open Space, and Trails Plan (2007)							