







CLIMATE VULNERABILITY ASSESSMENT & RESILIENCY STRATEGY

Project Fact Sheet

Introduction

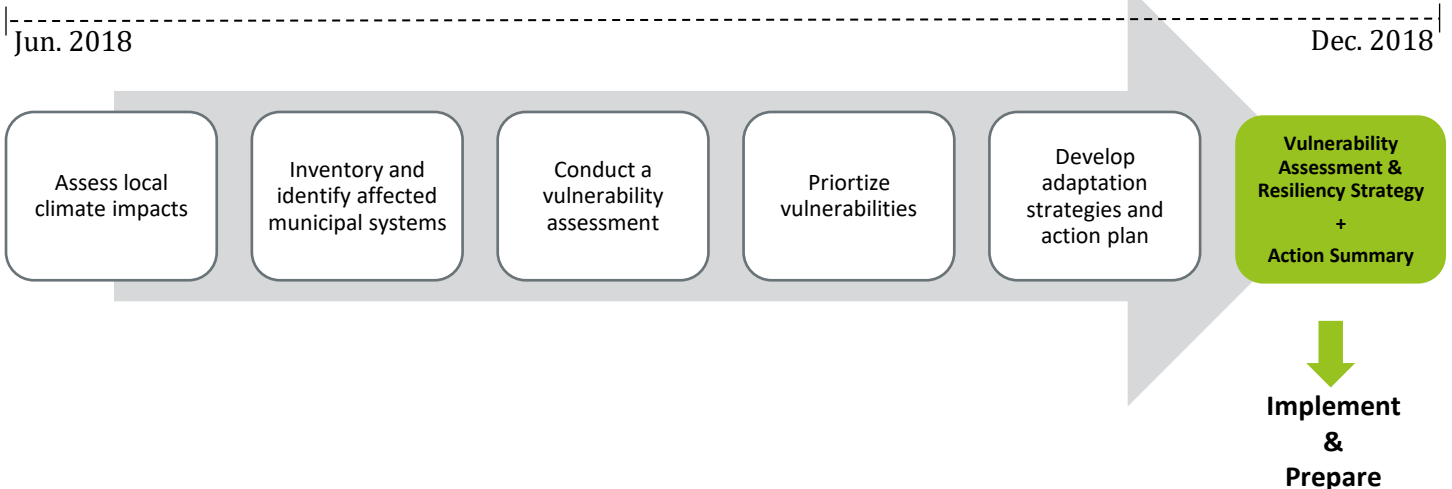
Municipalities across the United States are acting to establish local resilience initiatives to prepare for the effects of climate change and other hazards. To adapt to the risks associated with changing local climate conditions, the City of Bozeman is undergoing a climate vulnerability assessment of municipal buildings, infrastructure, and operations to build resilience in delivering its municipal services. In the coming years, Bozeman is projected to be impacted by the following climate-induced hazards:

	Extreme Heat	More severe and intense
	Floods	More severe
	Drought	More frequent and intense
	Snowpack	Decline in volume
	Wildfire	More extensive, frequent, and intense
	Winter Storms	More severe

This project will identify key adaptation actions to reduce the highest priority vulnerabilities for the City of Bozeman with a phased implementation approach. The development of this Vulnerability Assessment and Resiliency Strategy will serve as a pre-cursor to the City's Climate Action and Resiliency Plan in 2019.

Supporting this project, the City has hired the consulting firm Brendle Group. Other project partners include the National League of Cities (NLC) Sustainable Cities Institute, National Institute of Standards and Technology (NIST) Community Resilience Planning Program, Montana State University (MSU) Extension Community Development, and Gallatin County Emergency Management.

Project Process & Timeline



Project Management

BOZEMAN^{MT}
City Sustainability



Project Partners

BOZEMAN^{MT}



Key Terms & Concepts

Climate Resilience	The ability and extent to which systems can prepare and plan for, absorb, respond, recover from, and adapt to the effects of climate-related shocks and chronic stressors Source: adapted from the National Academies of Science
Hazard	An act or phenomenon with the potential to harm the things that we value (e.g., people or property). Source: Susan Cutter
Vulnerability	The degree to which a system is susceptible to, or unable to cope with climate change.
Risk	Risk is the estimated impact that a hazard would have on people, services, facilities, and structures in a community. It is hazard and vulnerability Source: FEMA
Sensitivity	The degree to which a system is affected (adversely or beneficially) by climate change.
Adaptive Capacity	The degree to which a system is able to cope currently and adapt to climate change.
Climate Adaptation	Actions that help cope with the effects of climate change.
Climate Mitigation	Human intervention to reduce the human impact on the climate system.

Frequently Asked Questions

How can I get involved?

You are encouraged and welcomed to participate in two upcoming community resilience workshops. The Montana Department of Commerce is working with Montana communities to take a holistic look at the resiliency with their Montana Ready Communities Initiative. Their goal is to build a state-wide framework. Participate in their community-wide workshop in Bozeman on August 29, 2018. Participate in a community survey and RSVP for the Bozeman event at <http://comdev.mt.gov/Programs/MontanaReadyCommunities>. As part of this project, Bozeman Climate Vulnerability Assessment and Resilience Strategy, a Resilience Summit will be held on October 3, 2018. More details will be forthcoming.

How does this project link to other local and regional planning projects?

The City of Bozeman is undergoing and supporting many planning efforts, such as the Bozeman Community Plan, the Downtown Bozeman Improvement Plan, and the Gallatin County Hazard Mitigation Plan. It is an objective to incorporate climate resilience within these efforts to support mutual co-benefits and cross-coordination of initiatives. The development of this Vulnerability Assessment and Resiliency Strategy will serve as a pre-cursor to the City's Climate Action and Resiliency Plan in 2019.

Contact Information

For more information, please direct questions to:

BOZEMAN^{MT}
City Sustainability

City of Bozeman
Natalie Meyer
Project Manager
nmeyer@bozeman.net