



# CITY OF GRAND RAPIDS

## Meeting Agenda Full Detail City Council Work Session

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Monday, October 28, 2019

4:00 PM

Conference Room 2A

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**CALL TO ORDER:** Pursuant to due notice and call thereof a Special Meeting/Worksession of the Grand Rapids City Council will be held on Monday, October 28, 2019 at 4:00 p.m. in City Hall Conference Room 2B, 420 North Pokegama Avenue, Grand Rapids, Minnesota.

**CALL OF ROLL:** On a call of roll, the following members were present:

### Discussion Items

1. 19-0626 Discuss CP 2014-2, 2019 Street Improvements Project  
**Attachments:** [CP 2014-2 Council Presentation 102819.pdf](#)
2. 19-0632 Climate Vulnerability Assessment and Adaptation Framework
3. 14-0789 Review 5:00 PM Regular Meeting

### ADJOURN

*Attest: Kimberly Gibeau, City Clerk*



# CITY OF GRAND RAPIDS

## Legislation Details (With Text)

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**File #:** 19-0626      **Version:** 1      **Name:** CP 2014-2 Street Improvements  
**Type:** Agenda Item      **Status:** CC Worksession  
**File created:** 9/24/2019      **In control:** City Council Work Session  
**On agenda:** 10/28/2019      **Final action:**  
**Title:** Discuss CP 2014-2, 2019 Street Improvements Project  
**Sponsors:**  
**Indexes:**  
**Code sections:**  
**Attachments:** [CP 2014-2 Council Presentation 102819.pdf](#)

Date	Ver.	Action By	Action	Result
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Discuss CP 2014-2, 2019 Street Improvements Project

# **2019 Street Improvements Project**

**City Project 2014-2**

**(2<sup>nd</sup> Avenue NE, 9<sup>th</sup> Street NE, 7<sup>th</sup> Street NE)**

**Project Overview  
October 28, 2019**

GRAND RAPIDS  
MINNESOTA






GRAND RAPIDS  
IT'S IN MINNESOTA'S NATURE

# 2019 Street Improvements Project Original Project Overview

## Location

### LEGEND

	RECONSTRUCTION
	OVERLAY
	RECONSTRUCTION





# 2019 Street Improvements Project Original Project Overview

## Project Cost Summary

- Feasibility Estimate - \$2,383,539.25
- Pre-bid Estimate – \$3,232,257.45
  - TNT Aggregates LLC – \$3,975,389.48
  - Casper Construction Inc. - \$4,324,429.86
- Low Bidder - \$743,132.03 over estimate



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# 2019 Street Improvements Project Proposed Project Overview




## Location

Delayed

Proposed

Completed in  
2019

### LEGEND

	RECONSTRUCTION
	OVERLAY
	RECONSTRUCTION





# 2019 Street Improvements Project Proposed Project Overview

## Project Cost Summary

- 2<sup>nd</sup> Avenue NE - \$2,200,798.96
- 7<sup>th</sup> Street NE – \$575,941.97
- 9<sup>th</sup> Street NE – \$405,999.23
- Sidewalk - \$104,095.13
  
- Total Project Cost - \$3,286,835.29
  - Total City Portion - \$1,968,184.62



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IT'S IN MINNESOTA'S NATURE

# 2019 Street Improvements Project Proposed Project Overview

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## Schedule

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<i>Council orders Feasibility Report</i>	<i>October 22, 2018</i>
<i>City staff holds Neighborhood Meeting</i>	<i>December 12, 2018</i>
<i>Council to accept Feasibility Report and call for Public Hearing</i>	<i>January 14, 2019</i>
<i>Council to hold Public Hearing and order plans</i>	<i>January 28, 2019</i>
<b>Council to consider accepting plans and authorize Ad for Bid</b>	<del>March 11, 2019</del> <b>October 28, 2019</b>
<b>Council to consider awarding a construction contract</b>	<b>December 2019</b>
<b>Construction</b>	<b>May – September 2020</b>
<b>Council to consider holding proposed assessment Public Hearing</b>	<b>October 2020</b>
<b>Assessments levied to County for 2020</b>	<b>November 2020</b>

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# 2019 Street Improvements Project Proposed Project Overview October 28, 2019

Questions?





# CITY OF GRAND RAPIDS

## Legislation Details (With Text)

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**File #:** 19-0632      **Version:** 1      **Name:** Climate Discussion  
**Type:** Agenda Item      **Status:** CC Worksession  
**File created:** 9/30/2019      **In control:** City Council Work Session  
**On agenda:** 10/28/2019      **Final action:**  
**Title:** Climate Vulnerability Assessment and Adaptation Framework  
**Sponsors:**  
**Indexes:**  
**Code sections:**  
**Attachments:**

Date	Ver.	Action By	Action	Result
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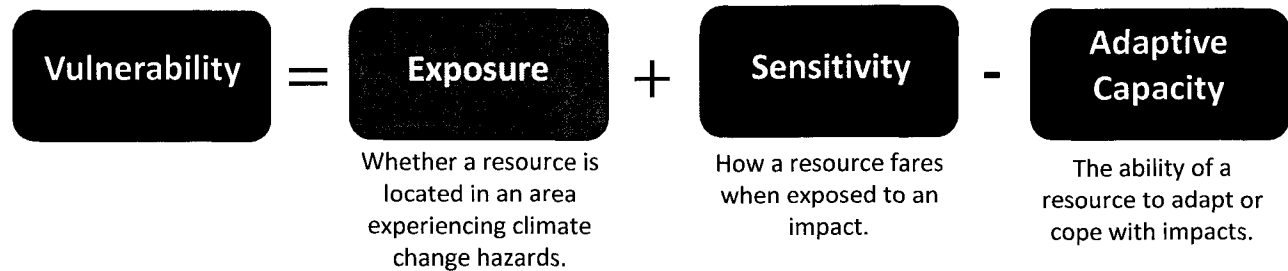
Climate Vulnerability Assessment and Adaptation Framework

# Grand Rapids Climate Vulnerability Assessment

As a precursor to development of a Grand Rapids Climate Action and Adaptability Plan, a vulnerability assessment would identify key climate-related risks to the City's resources, systems and populations. The assessment outcomes would be used to develop strategies and actions for building Grand Rapids resilience to ongoing climate change impacts.

## What is Climate Vulnerability?

Grand Rapids vulnerability to climate change is a function of its exposure, sensitivity, and adaptive capacity.



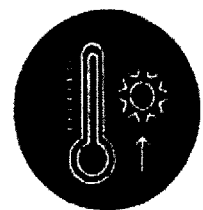
## A Grand Rapids Climate Vulnerability Assessment

A Grand Rapids vulnerability assessment would identify how these resources and sectors ...

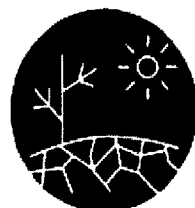
... could be affected by these climate change risks and their associated impacts.



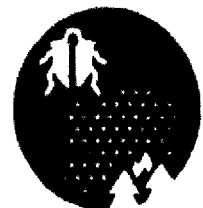
wildfire



hotter temperatures



drought



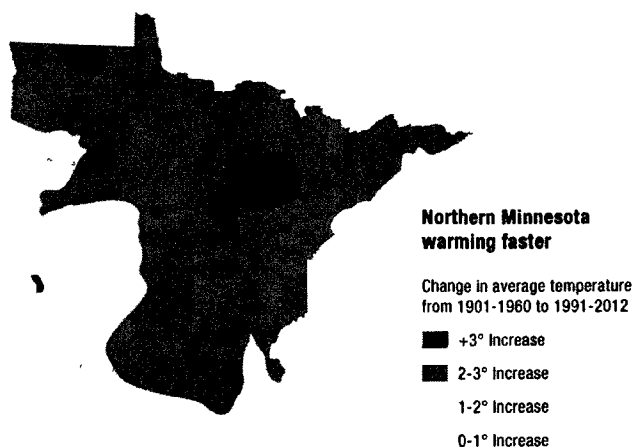
flooding

## Climate Vulnerability and Adaptation Assessment for the City of Grand Rapids; Project Proposal

**The Proposal.** A small group of Grand Rapids' citizens, working with the support and cooperation of the City Administrator, Manager and Engineer, is requesting that the Grand Rapids City Council authorize the preparation of a Climate Vulnerability Assessment and Adaptation Plan. An assessment and adaptation plan would identify the future risks the City will be facing as a result of climate change, and could serve as a basis for identifying actions the City could take to reduce these risks -- or the impacts of these risks -- in order to protect the health and welfare of our City and its citizens to the extent possible. As explained below, the City could rely on the work of several cities in the northeast region of the State to minimize the cost of such an assessment.

**Temperature Is Rising.** Across the Midwest, signs of our rapidly changing climate become clearer each year. Records show that spring is arriving sooner, dangerously hot weather is occurring more often, and winters -- on average -- are becoming warmer.

Minnesota has been rated as the 5<sup>th</sup> highest at-risk state in the US for climate change impacts. Minnesota's top ten warmest and wettest years on record have all occurred since 1998. Winters in Minnesota are already warming 13 times faster than its summers. This rise in temperatures has earned the Twin Cities a dubious distinction; it is among the fastest-warming urban areas in the United States. The map below, from the National Climate Assessment, illustrates the significant increases in temperatures around the State.



Source: National Climate Assessment

Of greater local concern, as the map shows, Northern Minnesota is warming even faster than the rest of the State. More alarming for our local area, there is a geographic island around Hibbing and Grand Rapids where the average temperature has increased at a rate greater than that seen almost anywhere else in the nation. In this area, the average temperature in the past two decades is more than 3 degrees higher than the average during the first part of the 20th century. This kind of small-area difference is hard to explain, but the general trend of northern Minnesota heating more quickly than southern Minnesota reflects a global pattern in which the Arctic and northern latitudes are warming the most.

**Climate Change Impacts Are Significant.** This temperature rise is posing an existential threat to the evergreen conifers that dominate the state's northern forests and the health of all our lakes. Nutrient

runoff in particular, and warmer temperatures, are likely to contribute to a more frequent occurrence of harmful algal blooms on our lakes. This warming is likely to strain the viability of native species, including popular recreational fish, invite encroachment by invasive species, and increase the geographic range and types of ticks and mosquitoes.

Weather and climate shape our economy. Temperature impacts everything from the amount of energy consumed to heat and cool homes and offices to the ability of some of the labor force to work outside. Temperature and precipitation levels determine the performance of entire economic sectors, from forestry, agriculture, recreation and tourism.

**Local Action.** While the science behind climate change is complex, many of the solutions to reduce impacts are already a part of Minnesota cities' capabilities. In many instances, responding to climate change does not require large scale changes to municipal operations, but simply requires adapting existing plans and policies to incorporate knowledge about changing levels of risk in key areas such as public health, infrastructure planning and emergency management.

Incorporating this knowledge not only protects our communities from growing risk, but climate adaptation strategies can improve public health and overall livability of our communities. For example, local assistance programs could help homeowners to add air conditioning to their residences, or to upgrade their air conditioning to a more energy efficient models. This would help them survive extreme heat events ... but will also enhance their quality of life during hotter summer periods.

**The Assessment.** Strengthening community resilience is rooted in an on-going assessment of potential vulnerabilities, anticipating potential climate impacts, development and implementation of strategies to address those vulnerabilities, and in communication and outreach to the members of the community. In our state, the Minnesota Pollution Control Agency (MPCA) has taken the lead in helping Minnesota adapt to our state's changing climate. The MPCA has various programs designed to increase opportunities for communities to develop measures to respond to climate change impacts.

In 2017, MPCA-sponsored surveys identified more than 40 Minnesota cities interested in receiving assistance with climate resilience planning. In response, the MPCA contracted with paleBLUEdot, a nonprofit organization, to generate Climate Vulnerability and Adaptation Frameworks for 23 communities

The 23 communities were located in urban and rural areas around the state, with resident populations ranging from the 80,000's to under 500. These frameworks served to help these cities in understanding their climate vulnerable population groups, and to provide these cities with customized, actionable local strategies and policies to reduce risks for these groups.

In our Northeast Region of the State, the cities of Chisholm, Mountain Iron, and Ranier now have Vulnerability Assessment and Climate Adaptation Frameworks. These three Frameworks can provide Grand Rapids with geographically relevant data and information to use to generate our own vulnerability assessment and adaptation framework.

A small group of local citizens has been meeting, and working with, City officials to discuss the idea of generating a Grand Rapids climate vulnerability assessment and adaptation framework utilizing the frameworks already produced for the three NE Minnesota cities. The meetings have resulted in a proposal to generate a draft vulnerability and assessment framework for Grand Rapids. This proposal will be presented to the Grand Rapids' City Council in October, with the hope of getting the Council's approval to generate a draft Grand Rapids vulnerability assessment and adaptation framework. Once a draft is completed, it could be brought back to the City Council to discuss how to proceed to the next step -- adaptation planning.