



REGION NINE



DEVELOPMENT COMMISSION

*Promoting the development of the region through
intergovernmental cooperation, community and human development,
long-range planning and technical assistance.*

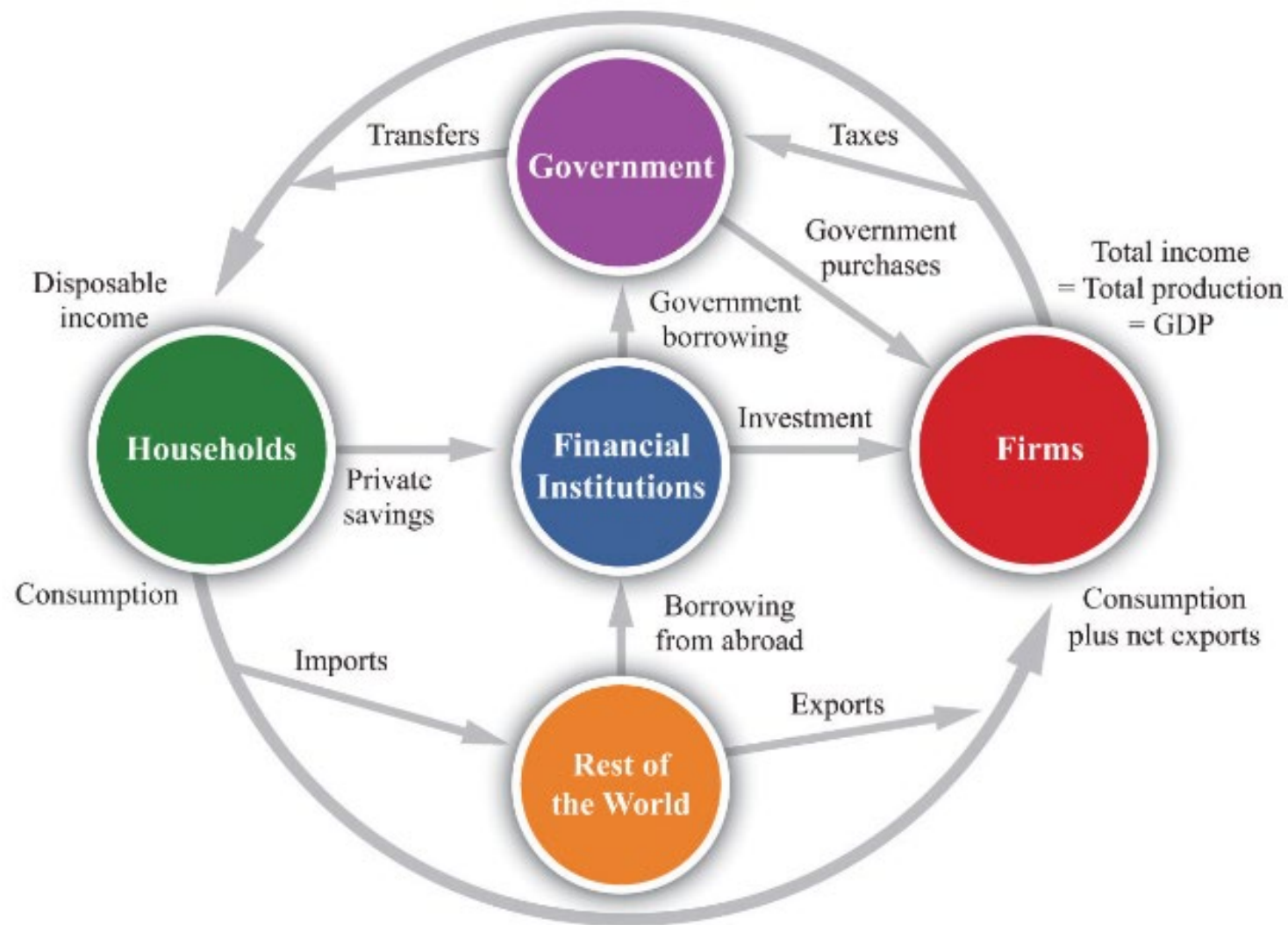
REGIONAL TRENDS IN ECONOMIC DEVELOPMENT

City of North Mankato

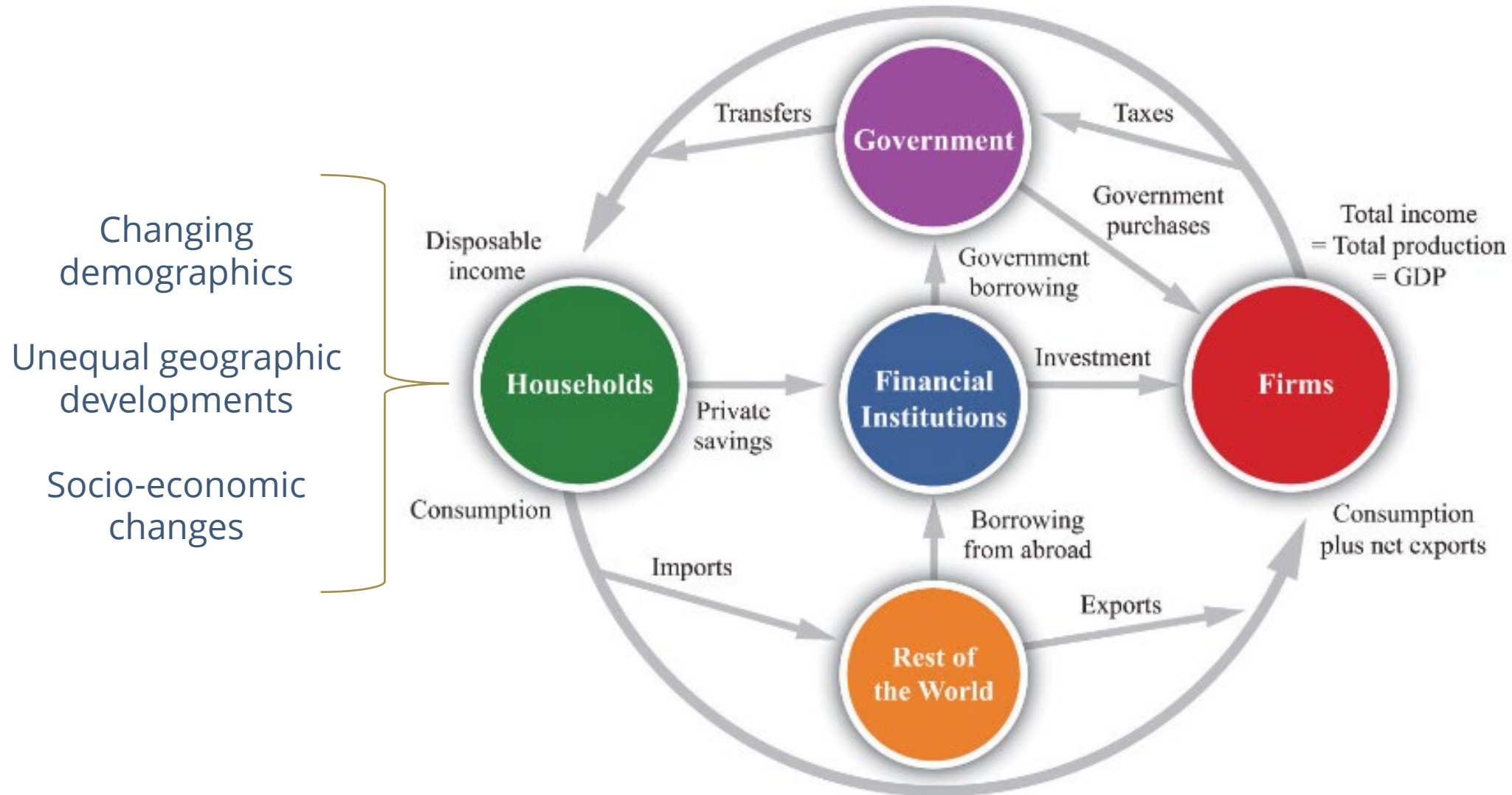
Presented by
Kristian Braekkan, Ph.D.
Economic Development Director
Region Nine Development Commission



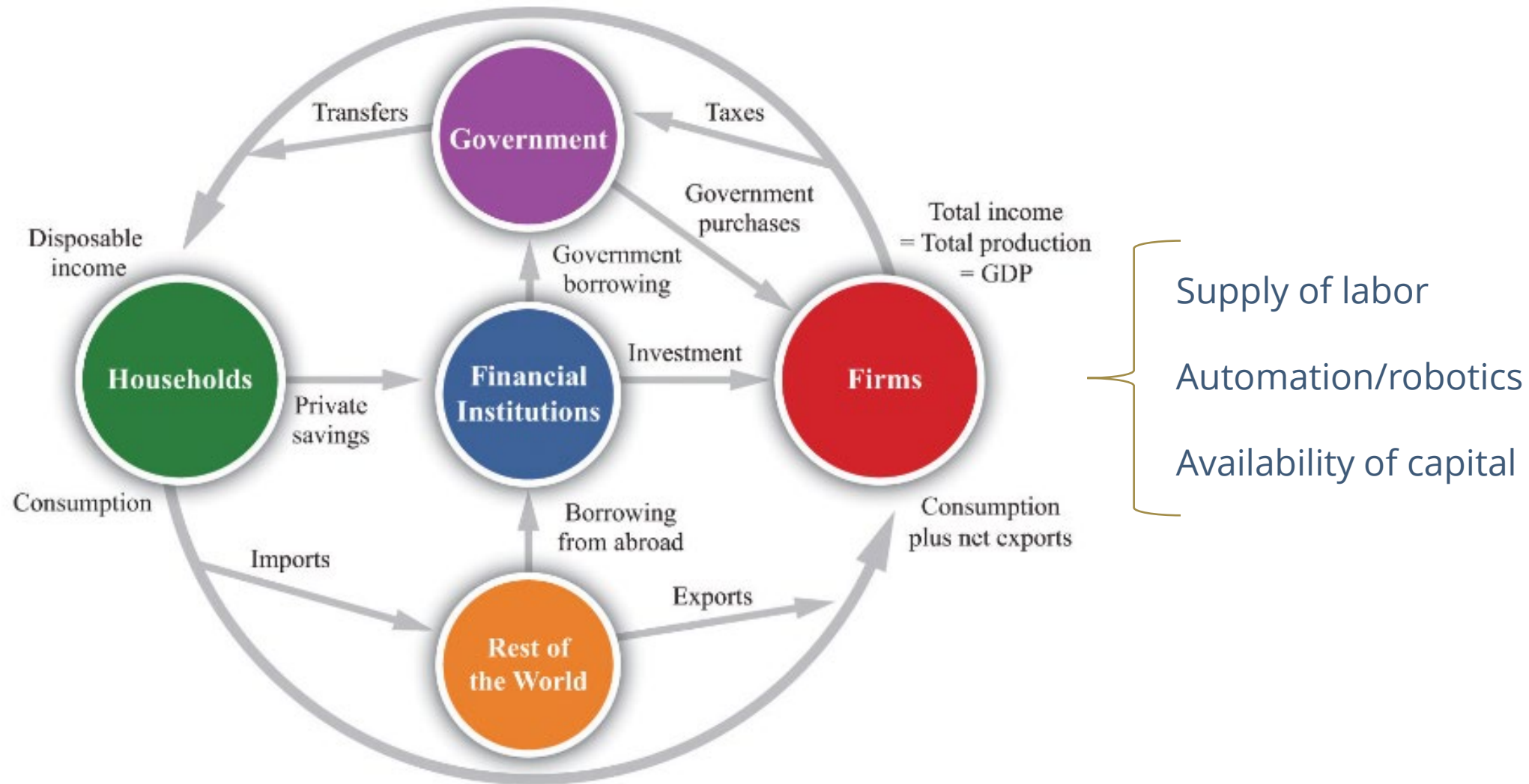
The Integrated Local and Regional Economy



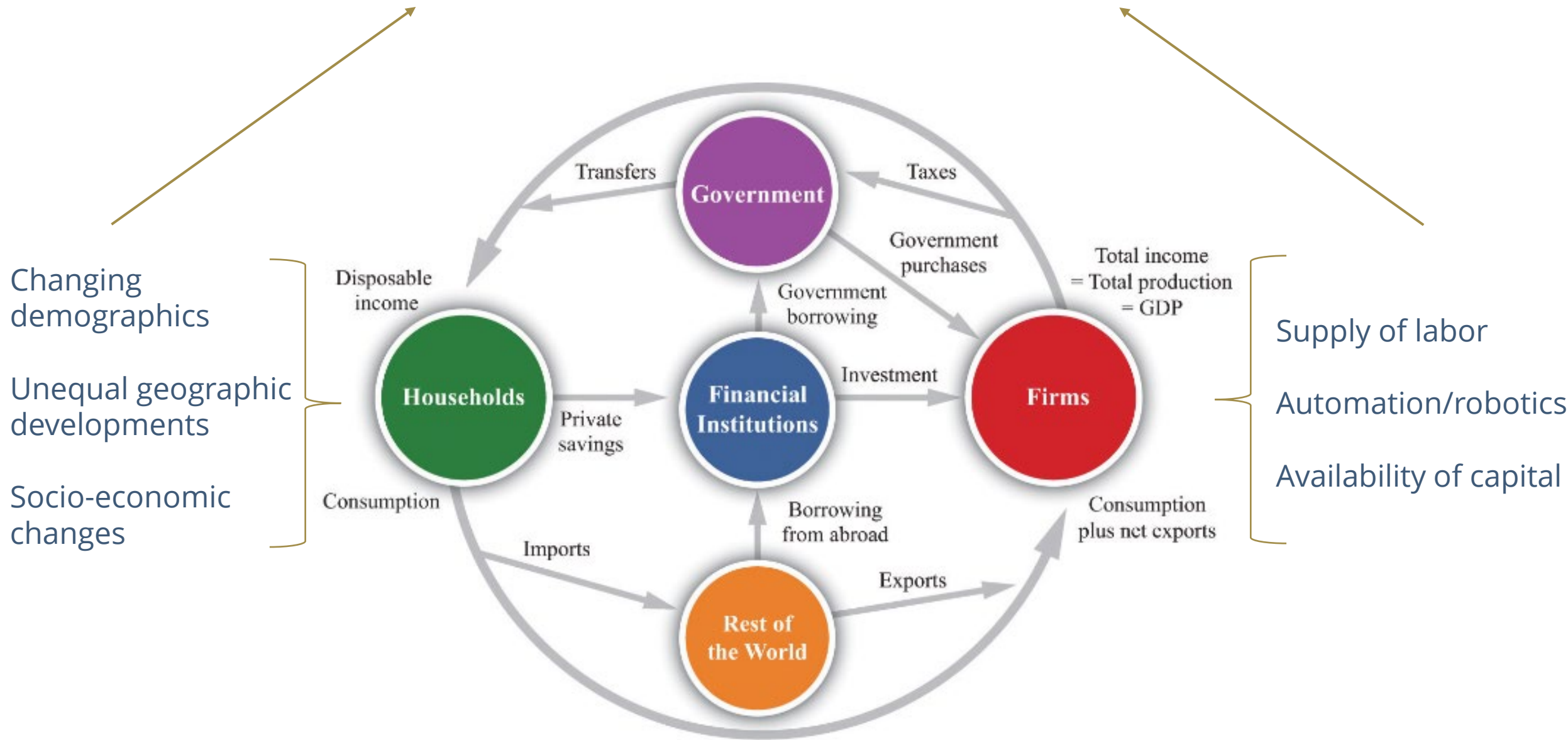
Households as Drivers and Outcomes of Prosperity



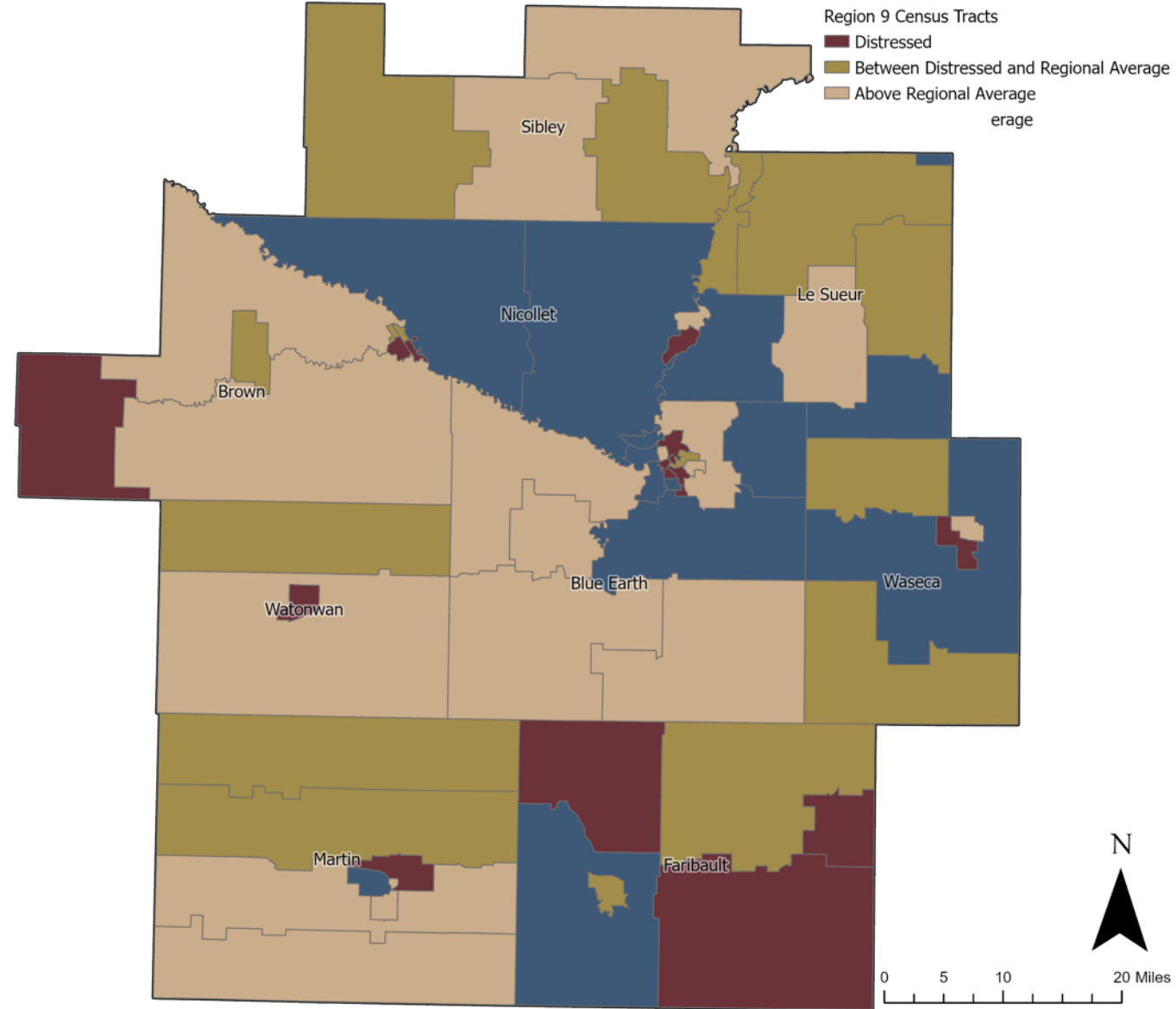
Industry as Drivers and Outcomes of Prosperity



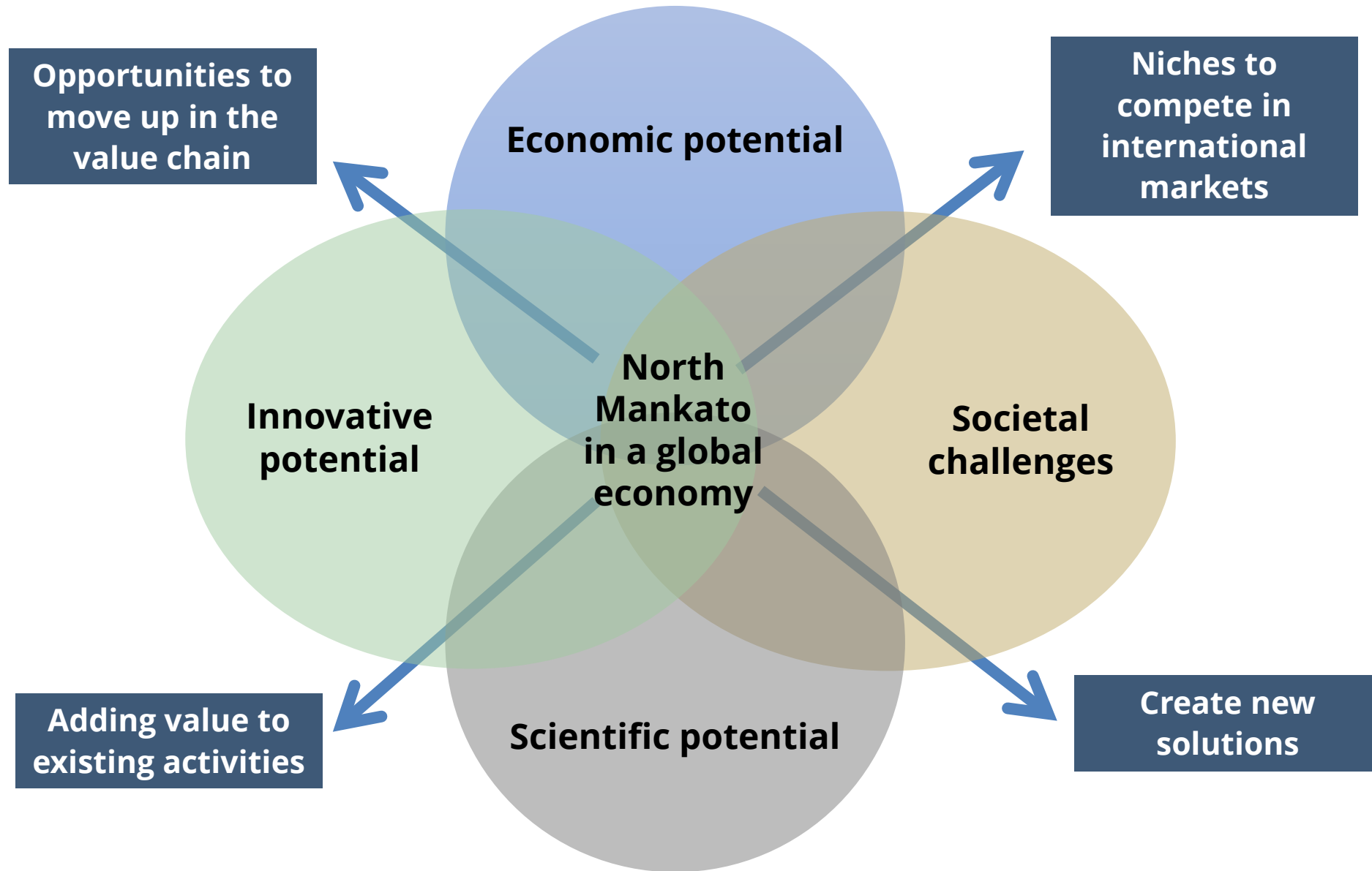
Economic Prosperity and Distress



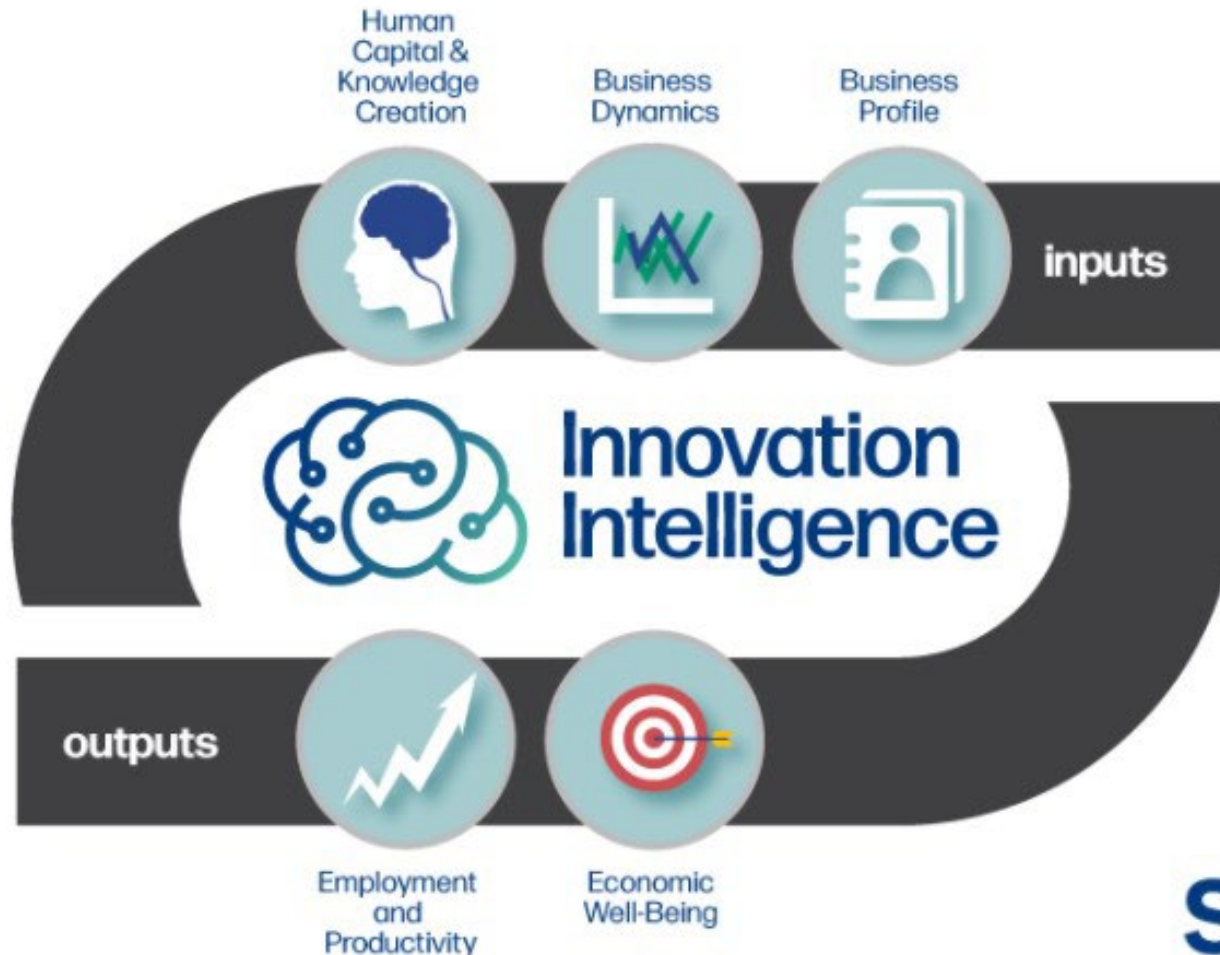
Region Nine Census Tracts



Why Does Innovation Matter?



Innovation Intelligence

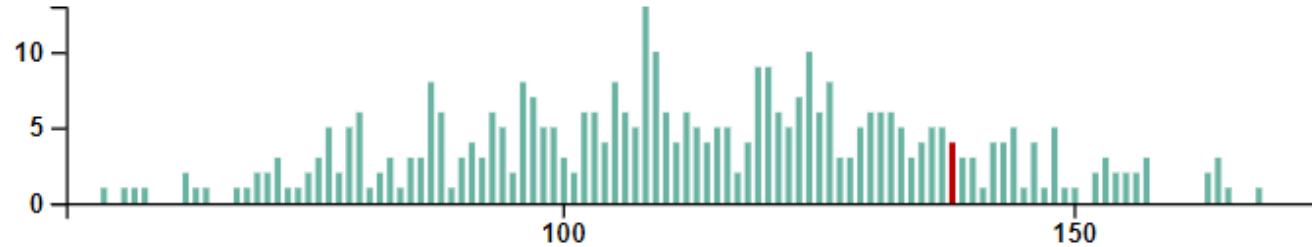


The “headline” index—the one, high-level summary index—is comprised of five major categorical indexes organized thematically. Those five core indexes are built up from several sub-indexes that are built up from several measures that are also organized thematically along more precisely defined concepts.

STATSAMERICA

E•D•A
U.S. ECONOMIC DEVELOPMENT ADMINISTRATION

1. General *Economic Well-Being* is a regional strength

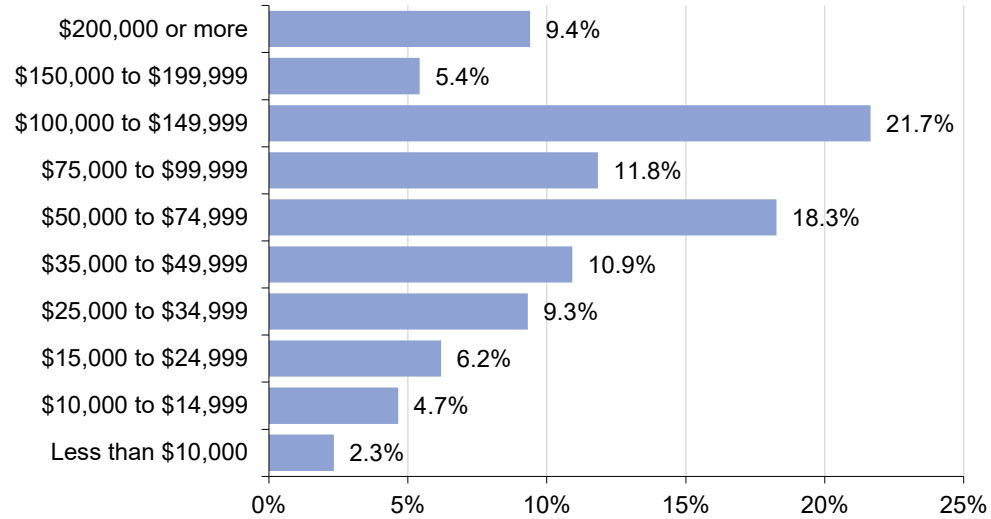


56th out of 393 Economic Development Districts

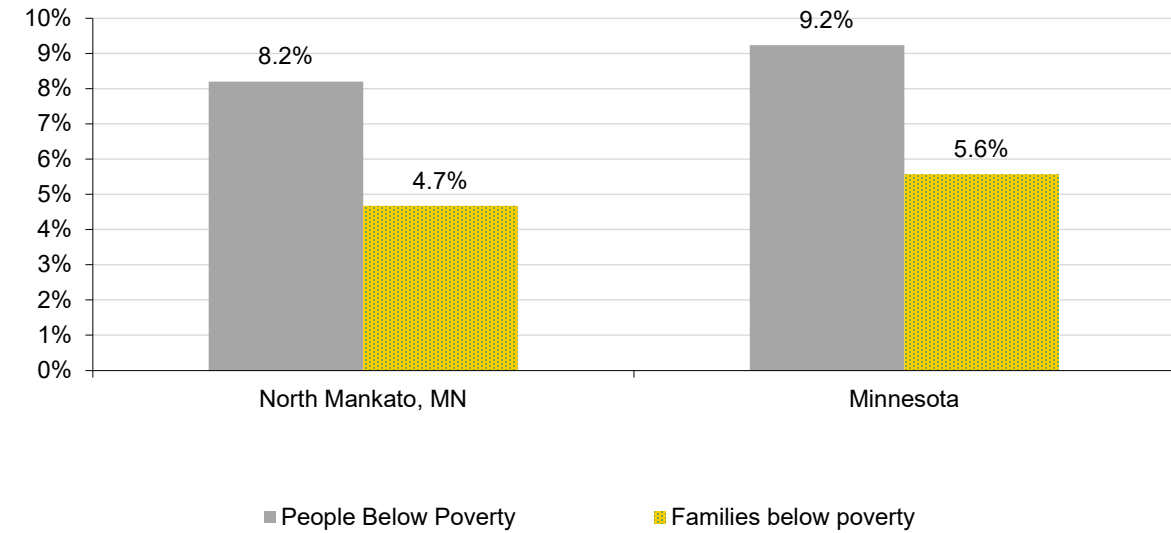
Economic Well-Being	138.4
Residential Internet Connectivity	140.6
Broadband Infrastructure and Adoption	127.5
Broadband Adoption Barriers	127.4
Compensation	122.6
Change in Annual Wage and Salary Earnings per Worker	185.2
Per Capita Personal Income Growth	108.6
Average Poverty Rate	161.9
Average Unemployment Rate	167.1
Government Transfers to Total Personal Income Ratio	144.0
Average Net Migration	110.6

North Mankato

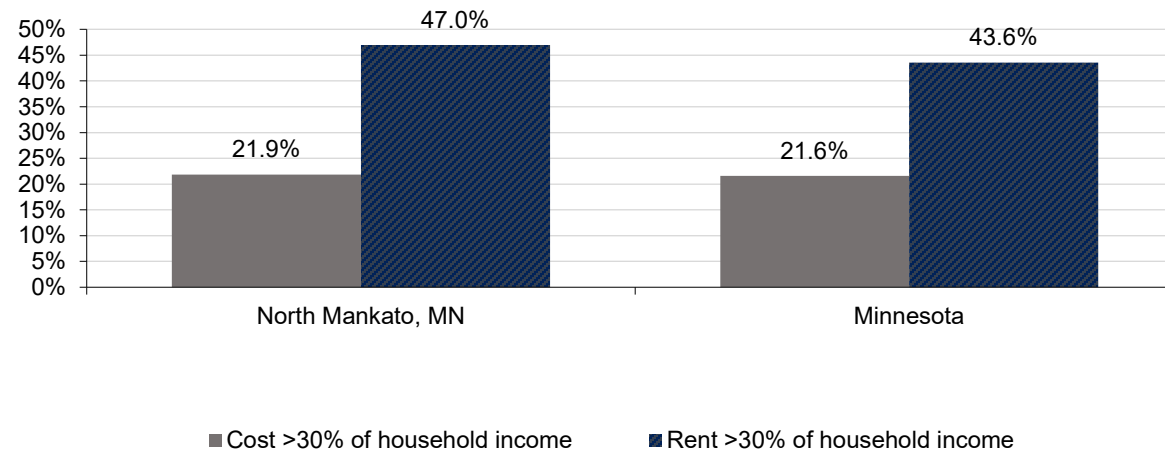
Household Income Distribution, North Mankato, MN, 2021*



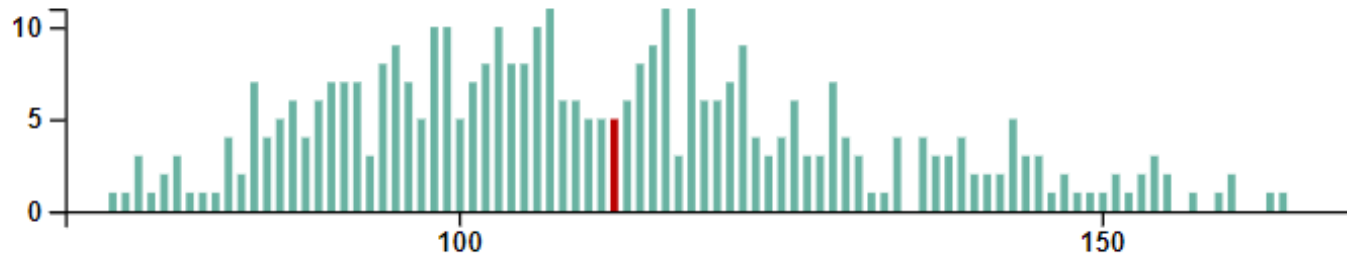
Individuals & Families Below Poverty, 2021*



Housing Costs as a Percent of Household Income, 2021*

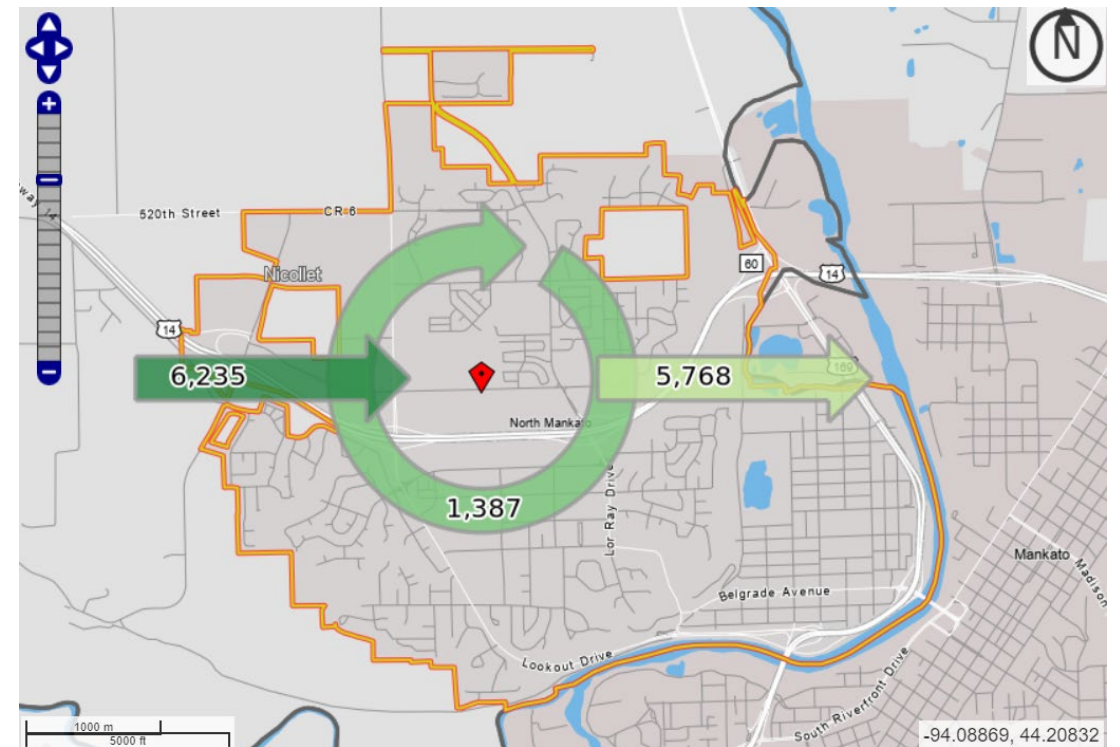
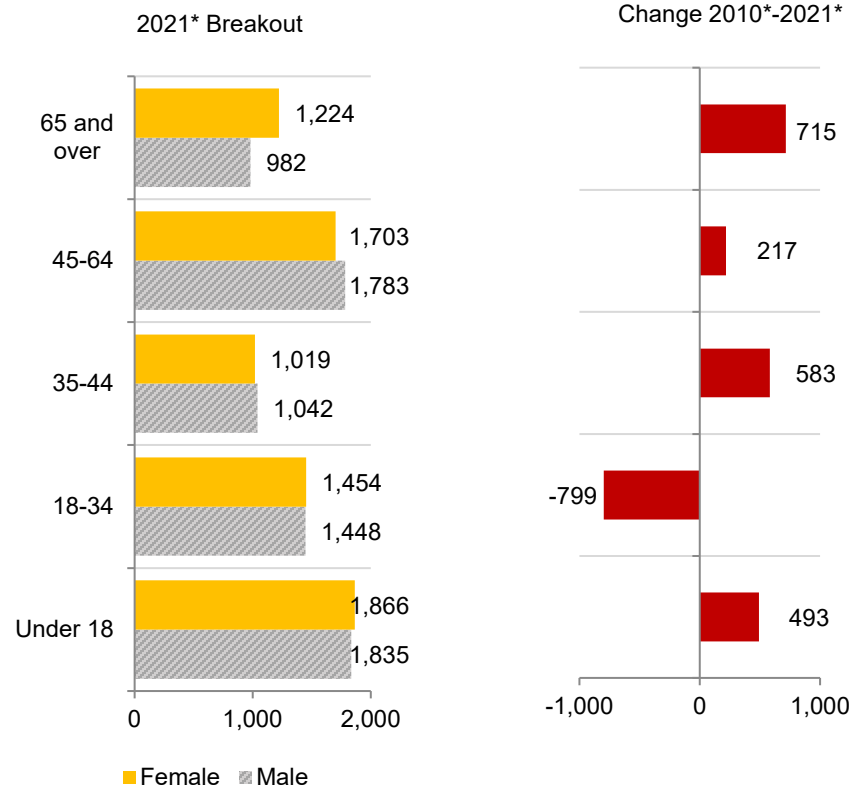
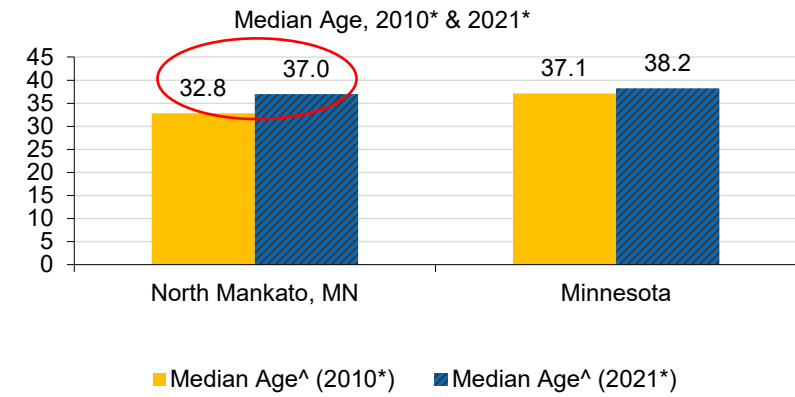
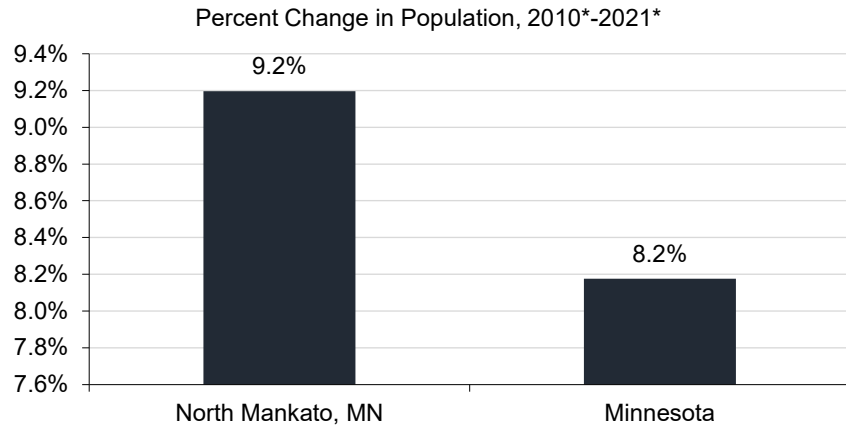


2. *Human Capital* is a Strength (and increasingly mobile)

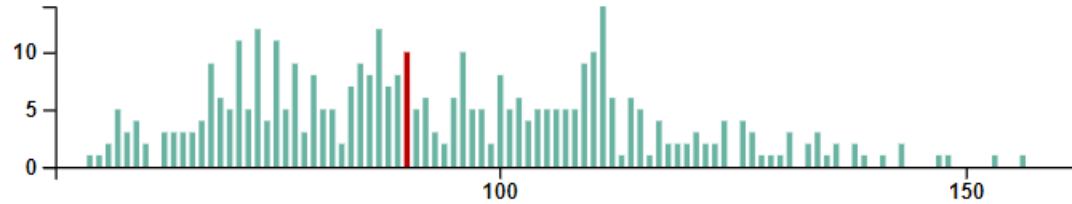


176th out of 393 Economic Development Districts

Human Capital and Knowledge Creation	112.2
Educational Attainment	138.5
High School Attainment	183.8
Some College Attainment	97.0
Associate's Degree Attainment	188.7
Bachelor's Degree Attainment	141.2
Graduate Degree Attainment	81.6
Knowledge Creation and Technology Diffusion	93.1
Patent Technology Diffusion	69.3
University-Based Knowledge Spillovers	117.0
STEM Education and Occupations	78.9
Technology-Based Knowledge Occupation Clusters	85.6
Average High-Tech Industry Employment Share	101.2
Average Prime Working-Age Population Growth	138.4



3. The Regional *Business Profile* Lags National Trends



204th out of 393 Economic Development Districts

i Business Profile	90.0
i Venture Capital Dollar Measures	98.0
i Change in Average Venture Capital	114.2
i Venture Capital Count Measures	90.7
i Change in Average Venture Capital Deals	108.9
i Foreign Direct Investment Attractiveness	78.1
i FDI Employment Ratio, Foreign Source	50.0
i FDI Investment Ratio, Foreign Source	50.0
i FDI Employment Ratio, Domestic Source	102.7
i FDI Investment Ratio, Domestic Source	110.0
i Proprietorship	93.0
i Farm Operators with Internet Access	125.4
i Proprietorship Rate	74.5
i Change in Proprietorship Rate	85.8
i Proprietor Income to Total Wages and Salaries Ratio	86.5

25-Mile Radius Report for North Mankato city, Minnesota

This region includes 4 counties: Blue Earth, MN; Le Sueur, MN; Nicollet, MN; Sibley, MN [Download County-level Detail Data](#)

Population in 2021:	10-Year Growth:
147,370	5.0%

Largest Counties by Population in 2021

County (Metro/City)	Size
Blue Earth, MN (Mankato-North Mankato)	69,280
Nicollet, MN (Mankato-North Mankato)	34,332
Le Sueur, MN (Minneapolis-St. Paul-Bloomington)	28,841
Sibley, MN (Minneapolis-St. Paul-Bloomington)	14,917

Counties with Greatest 10-Year Growth

County (Largest City)	Growth
Blue Earth, MN (Mankato)	7.6%
Nicollet, MN (North Mankato)	4.1%
Le Sueur, MN (Le Sueur)	3.8%
Sibley, MN (Gaylord)	-1.6%

Labor Force in December 2022:	Employment:
85,372	82,683

Unemployment Rate:
3.1

75-Mile Radius Report for North Mankato city, Minnesota

This region includes 31 counties: Emmet, IA; Winnebago, IA; Worth, IA; Anoka, MN; Blue Earth, MN; Brown, MN; Carver, MN; Cottonwood, MN; Dakota, MN; Dodge, MN; Faribault, MN; Freeborn, MN; Goodhue, MN; Hennepin, MN; Jackson, MN; Le Sueur, MN... plus 15 more counties [Download County-level Detail Data](#)

Population in 2021:	10-Year Growth:
3,647,043	7.8%

Largest Counties by Population in 2021

County (Metro/City)	Size
Hennepin, MN (Minneapolis-St. Paul-Bloomington)	1,267,416
Ramsey, MN (Minneapolis-St. Paul-Bloomington)	543,257
Dakota, MN (Minneapolis-St. Paul-Bloomington)	442,038
Anoka, MN (Minneapolis-St. Paul-Bloomington)	367,018
Scott, MN (Minneapolis-St. Paul-Bloomington)	153,268
Wright, MN (Minneapolis-St. Paul-Bloomington)	144,845
Carver, MN (Minneapolis-St. Paul-Bloomington)	108,626
Blue Earth, MN (Mankato-North Mankato)	69,280
Rice, MN (Faribault-Northfield)	67,262
Goodhue, MN (Red Wing)	47,968

Counties with Greatest 10-Year Growth

County (Largest City)	Growth
Carver, MN (Chaska)	17.1%
Scott, MN (Shakopee)	15.6%
Wright, MN (St. Michael)	14.7%
Anoka, MN (Coon Rapids)	10.2%
Dakota, MN (Eagan)	10.0%
Hennepin, MN (Minneapolis)	8.4%
Blue Earth, MN (Mankato)	7.6%
Ramsey, MN (St. Paul)	5.3%
Rice, MN (Faribault)	4.4%
Nicollet, MN (North Mankato)	4.1%

Labor Force in December 2022:	Employment:
1,994,309	1,942,054

Unemployment Rate:
2.6

50-Mile Radius Report for North Mankato city, Minnesota

This region includes 14 counties: Blue Earth, MN; Brown, MN; Carver, MN; Faribault, MN; Le Sueur, MN; McLeod, MN; Martin, MN; Nicollet, MN; Rice, MN; Scott, MN; Sibley, MN; Steele, MN; Waseca, MN; Watonwan, MN [Download County-level Detail Data](#)

Population in 2021:	10-Year Growth:
640,388	7.8%

Largest Counties by Population in 2021

County (Metro/City)	Size
Scott, MN (Minneapolis-St. Paul-Bloomington)	153,268
Carver, MN (Minneapolis-St. Paul-Bloomington)	108,626
Blue Earth, MN (Mankato-North Mankato)	69,280
Rice, MN (Faribault-Northfield)	67,262
Steele, MN (Owatonna)	37,349
McLeod, MN (Hutchinson)	36,735
Nicollet, MN (Mankato-North Mankato)	34,332
Le Sueur, MN (Minneapolis-St. Paul-Bloomington)	28,841
Brown, MN (New Ulm)	25,819
Martin, MN (Fairmont)	19,915

Counties with Greatest 10-Year Growth

County (Largest City)	Growth
Carver, MN (Chaska)	17.1%
Scott, MN (Shakopee)	15.6%
Blue Earth, MN (Mankato)	7.6%
Rice, MN (Faribault)	4.4%
Nicollet, MN (North Mankato)	4.1%
Le Sueur, MN (Le Sueur)	3.8%
Steele, MN (Owatonna)	2.1%
McLeod, MN (Hutchinson)	1.1%
Brown, MN (New Ulm)	0.6%
Watonwan, MN (St. James)	-0.3%

Labor Force in December 2022:	Employment:
349,125	339,083

Unemployment Rate:
2.9

100-Mile Radius Report for North Mankato city, Minnesota

This region includes 54 counties: Cerro Gordo, IA; Clay, IA; Dickinson, IA; Emmet, IA; Hancock, IA; Kossuth, IA; Mitchell, IA; Palo Alto, IA; Winnebago, IA; Worth, IA; Anoka, MN; Benton, MN; Blue Earth, MN; Brown, MN; Carver, MN; Chippewa, MN... plus 38 more counties [Download County-level Detail Data](#)

Population in 2021:	10-Year Growth:
4,883,281	7.7%

Largest Counties by Population in 2021

County (Metro/City)	Size
Hennepin, MN (Minneapolis-St. Paul-Bloomington)	1,267,416
Ramsey, MN (Minneapolis-St. Paul-Bloomington)	543,257
Dakota, MN (Minneapolis-St. Paul-Bloomington)	442,038
Anoka, MN (Minneapolis-St. Paul-Bloomington)	367,018
Washington, MN (Minneapolis-St. Paul-Bloomington)	272,256
Olmsted, MN (Rochester)	163,436
Stearns, MN (St. Cloud)	158,947
Scott, MN (Minneapolis-St. Paul-Bloomington)	153,268
Wright, MN (Minneapolis-St. Paul-Bloomington)	144,845
Carver, MN (Minneapolis-St. Paul-Bloomington)	108,626

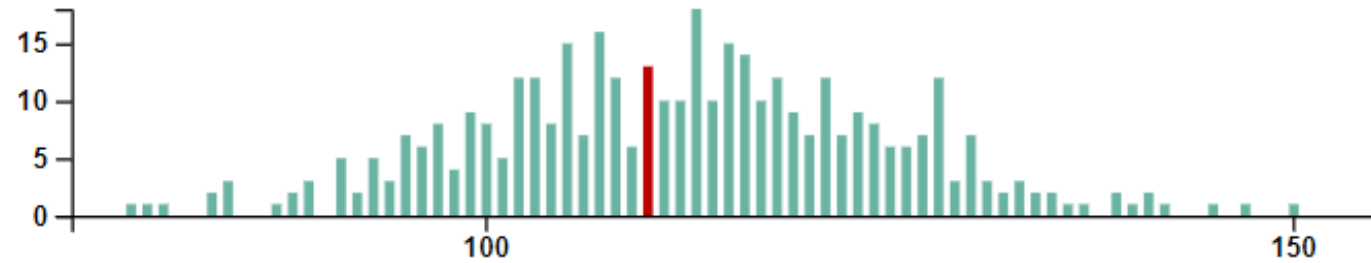
Counties with Greatest 10-Year Growth

County (Largest City)	Growth
Carver, MN (Chaska)	17.1%
Scott, MN (Shakopee)	15.6%
Wright, MN (St. Michael)	14.7%
Washington, MN (Woodbury)	12.8%
Olmsted, MN (Rochester)	12.1%
St. Croix, WI (Hudson)	12.0%
Sherburne, MN (Elk River)	11.0%
Anoka, MN (Coon Rapids)	10.2%
Dakota, MN (Eagan)	10.0%
Isanti, MN (Cambridge)	9.7%

Labor Force in December 2022:	Employment:
2,666,721	2,594,850

Unemployment Rate:
2.7

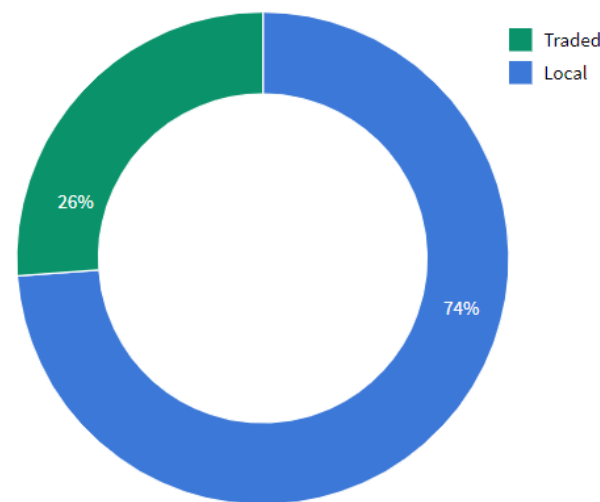
4. *Employment/Productivity* Lags National Trends



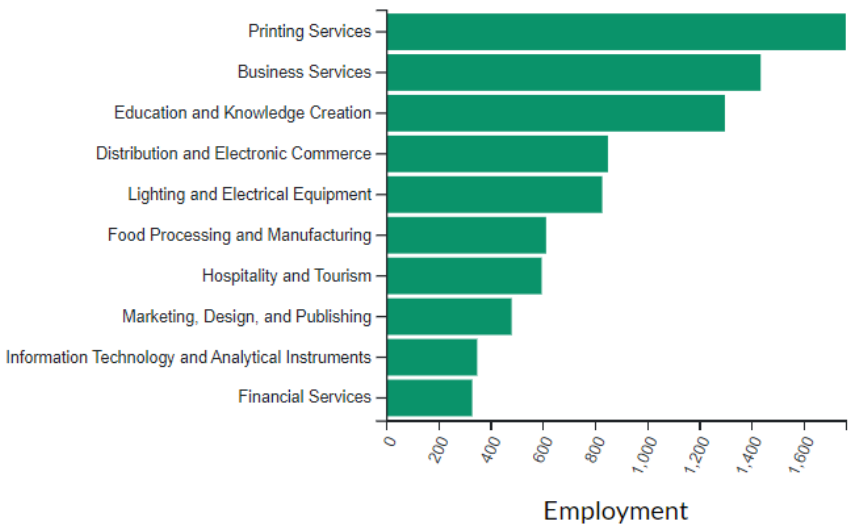
225th out of 393 Economic Development Districts

📄 Employment and Productivity	110.2
📄 Industry Performance	126.4
📄 Latent Innovation	129.3
📄 Industry Diversity	123.6
📄 Industry Cluster Performance	55.1
📄 Industry Cluster Growth Factor	50.0
📄 Industry Cluster Strength	60.2
📄 GDP	100.8
📄 Patents	166.9
📄 Change in Average Patenting Rate	165.0
📄 Patent Diversity	168.9
📄 Job Growth to Population Growth Ratio	117.3
📄 Change in Share of High-Tech Industry Employment	94.8

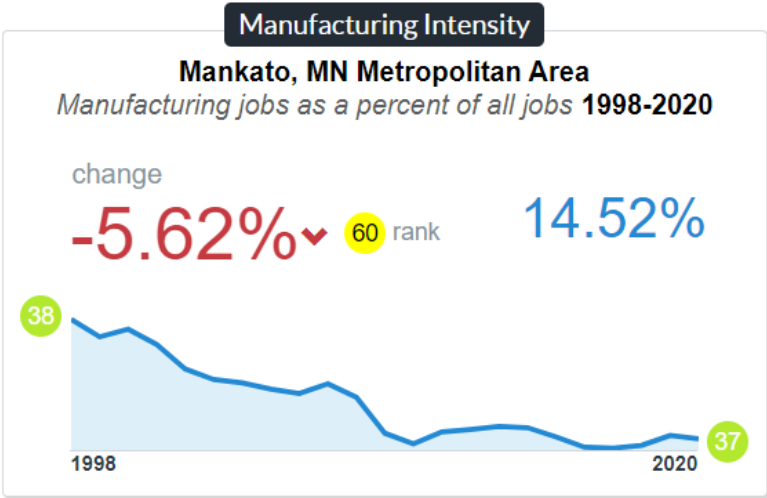
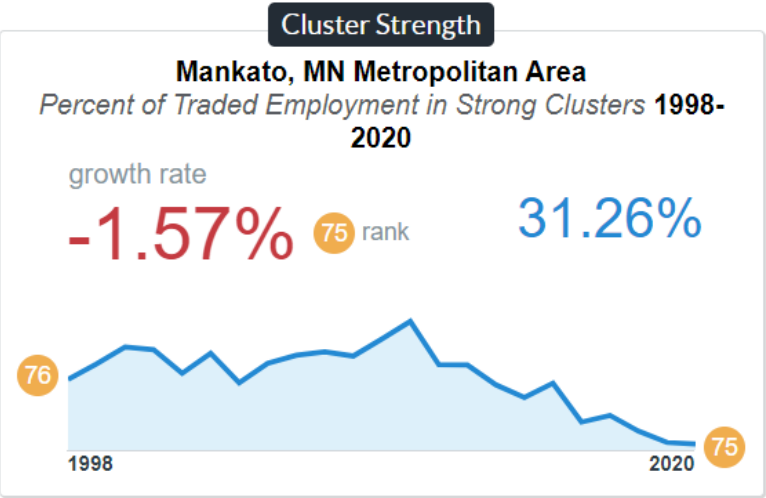
Traded vs. Local Clusters



Top Clusters by Employment

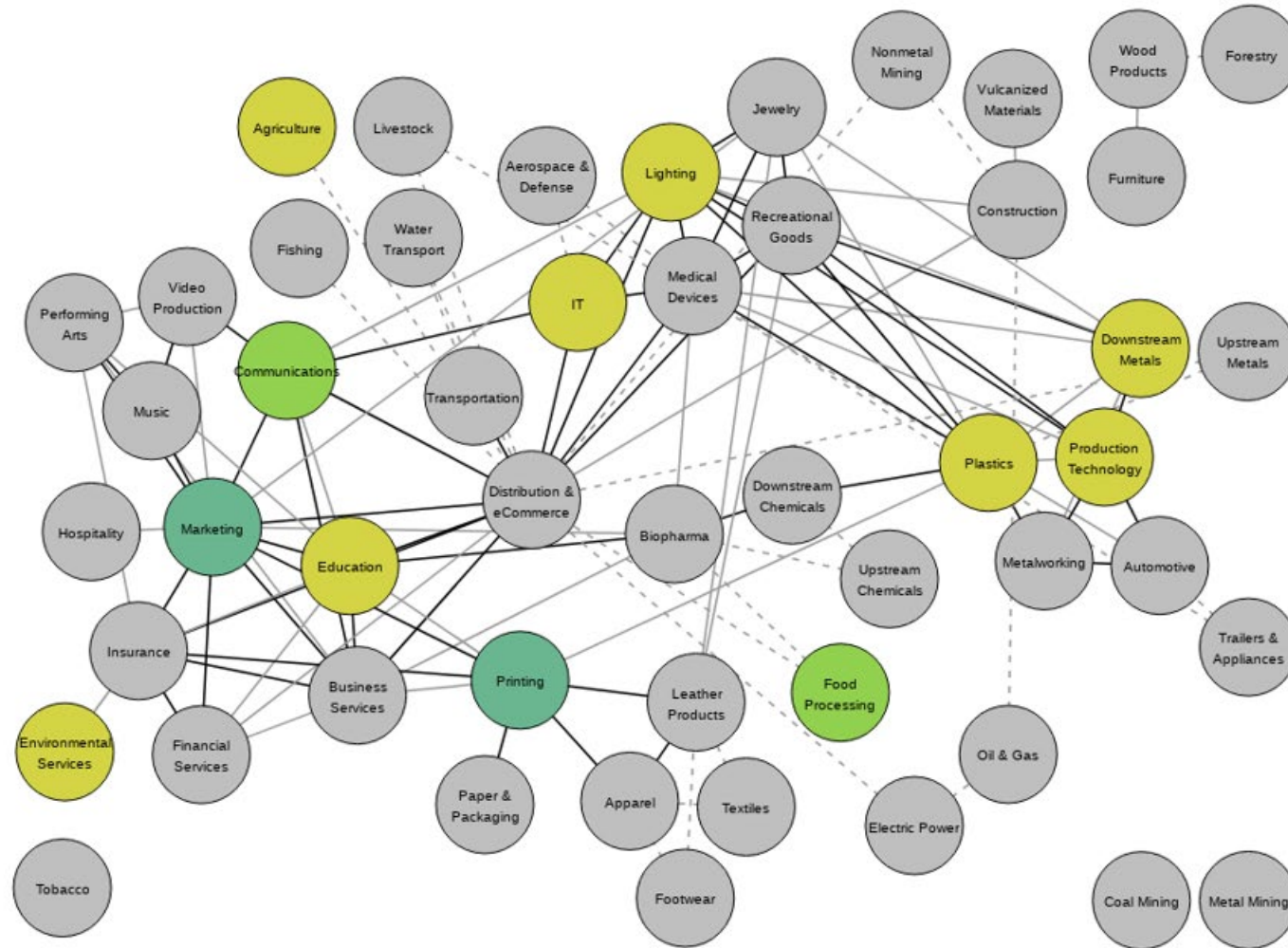
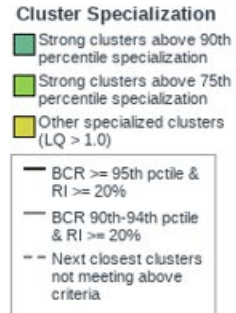


Related or Supporting Industries

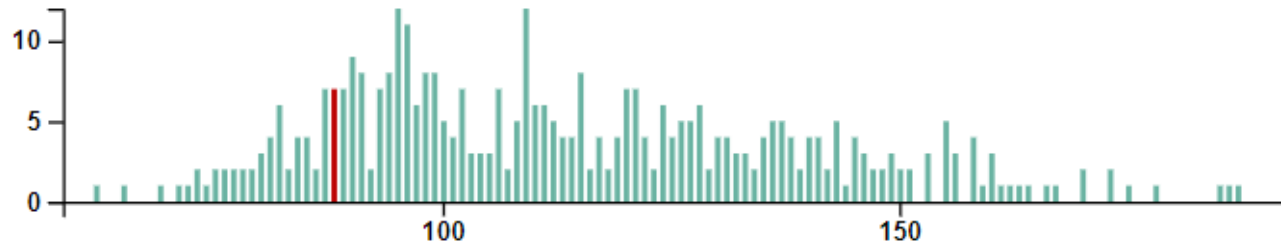


Cluster Linkages and Economic Diversification

Mankato, MN Metropolitan Area, 2020



5. Business Dynamics Represent a Regional Weakness

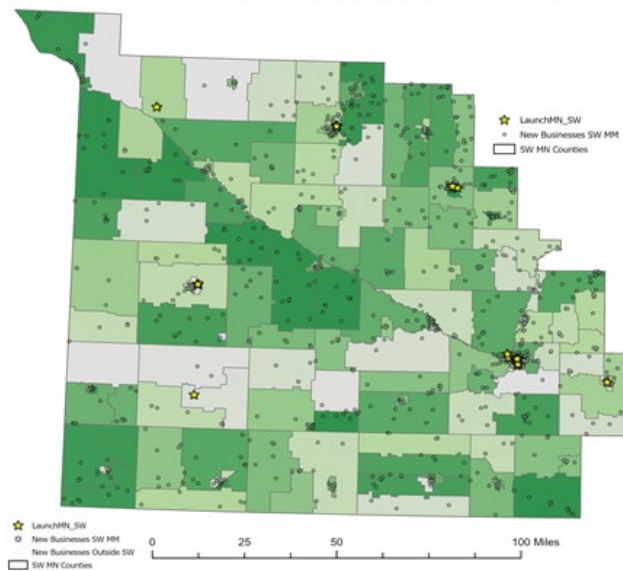


336th out of 393 Economic Development Regions

i Business Dynamics	88.6
i Establishment Formation	88.5
i Establishment Births to All Establishments Ratio	N/A
i Traded Sector Establishment Births to All Establishment Ratio	93.9
i Jobs Attributed to Establishment Births to Total Employment Ratio	61.3
i Change in Establishment Births to All Establishment Ratio	133.7
i Average High-Tech, Early-in-Life-Cycle Establishment Ratio	68.6
i Establishment Dynamics	88.7
i Establishment Expansions to Contractions Ratio	76.8
i Establishment Births to Deaths Ratio	64.4
i Traded Sector Births and Expansions to Deaths and Contractions Ratio	124.9

New Businesses and Large to Small Establishment Ratio

SW Minnesota New Business Density Per Capita



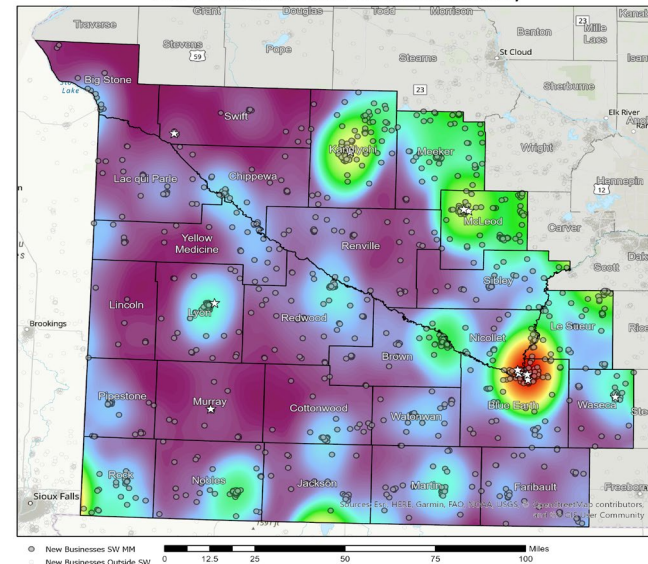
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GCS: GCS WGS 1984
Datum: WGS 1984
Projection: Transverse Mercator
Scale Factor: 0.9996
Page units: Meter

LOW New Business Density Per Capita HIGH

New businesses established within 12-months (April 2020 - April 2021)
Graduated colors organized using Natural Breaks (Jenks) classification
Population statistics retrieved from 2019 US Census Estimates

Aaron Pacheco
April 20, 2021
Minnesota State University, Mankato

SW Minnesota New Business Density



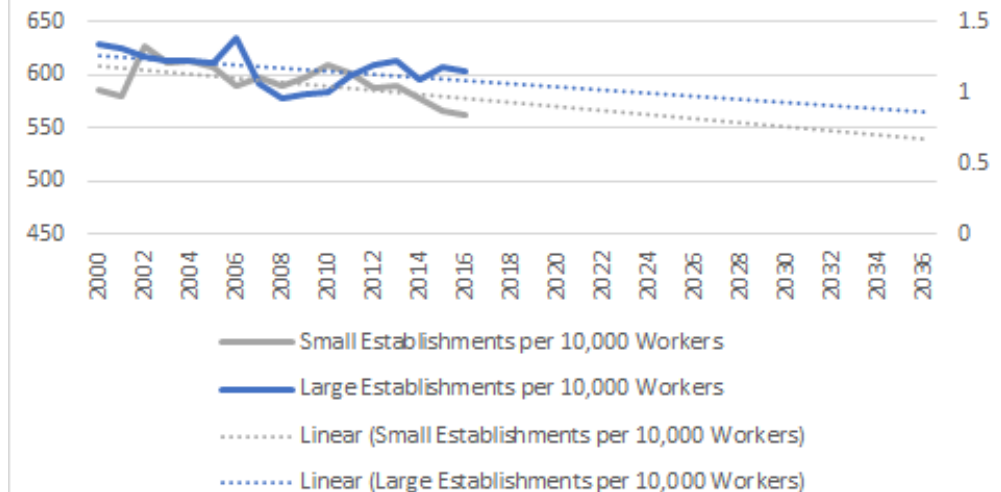
Spatial Reference
PCS: WGS 1984 UTM Zone 15N
GCS: GCS WGS 1984
Datum: WGS 1984
Projection: Transverse Mercator
Scale Factor: 0.9996
Page units: Meter

Kernel Density mapping of new businesses in SW Minnesota established within 12-months (April 2020 - April 2021) and considering all adjacent counties

Low Density High Density

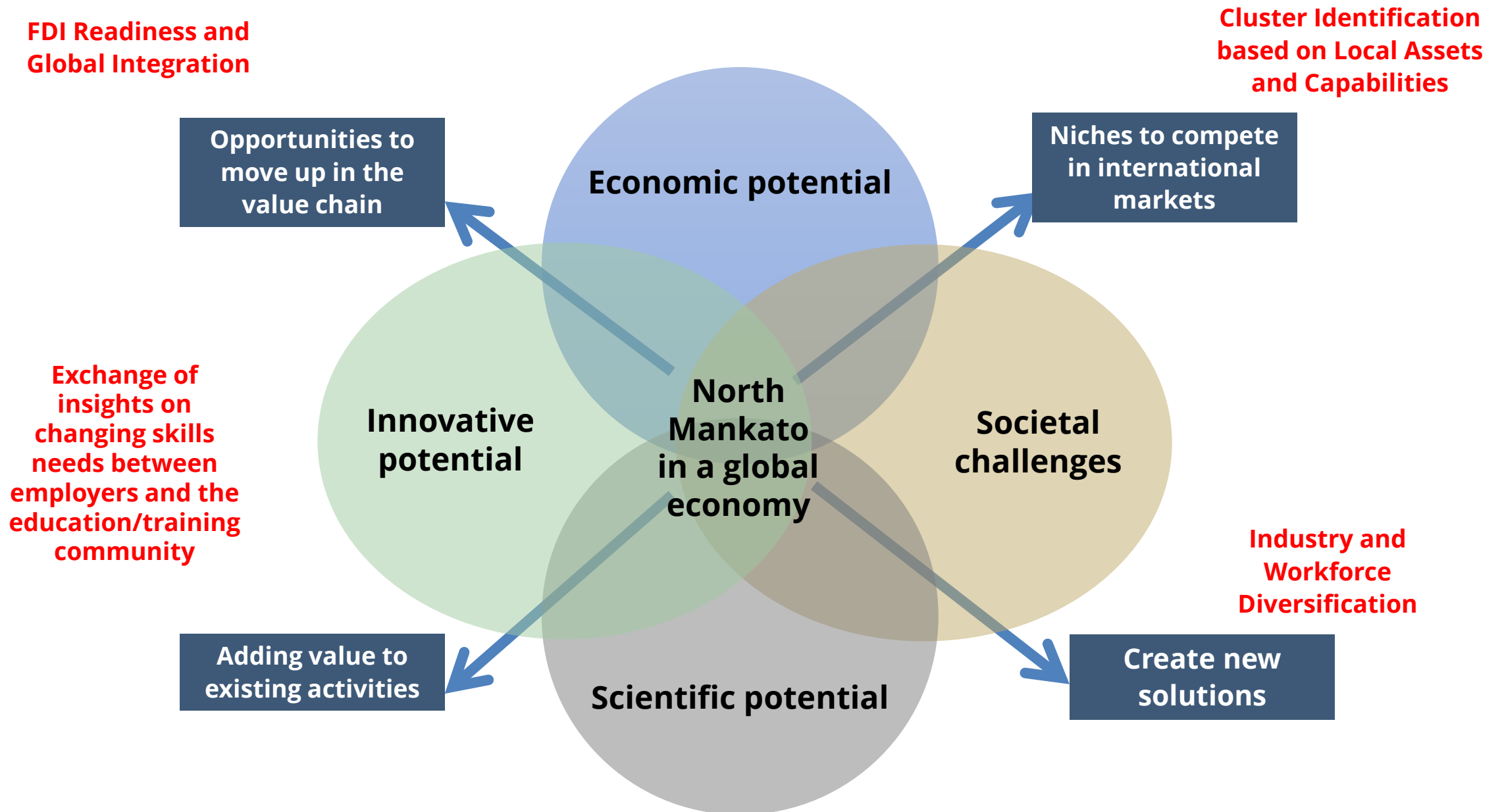
Aaron Pacheco
April 14, 2021
Minnesota State University, Mankato

Region Nine



Projections based on 1996-2016 data
2016-2021 Correlation: 0.95

An Innovative and Resilient Regional Economy



2022

North Mankato Police Department Annual Report



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Chief of Police Message

Dear Mayor Carlson and City Council Members:

It is my pleasure to present to you the 2022 North Mankato Police Department Annual report. Contained within are highlights of the department's activities and a summary of various statistics from the year.

As chief I can report to the community that your police department staff remain committed to the ideals of community policing and engagement, providing professional service, and being visible in our community. It is my hope that as you review this report you will see many examples of the aforementioned and will be 'surprised' at all of the things your police department does over the course of a year.

In that vein, our agency responded to 9,063 calls for service last year. This is the highest number of calls for service responded to by our agency in history. This was in large part to officers devoting significant amounts of time to proactive traffic enforcement. Officers conducted 2,040 traffic stops throughout the city last year. This is over 1,000 more traffic stops than were conducted in 2021. Traffic concerns continue to be one of the most common issues we hear from our residents, so I am very pleased that our officers spent the amount of time they did making sure we keep our roadways and communities safe.

In addition, our agency conducted over 300 extra patrols of our schools, participated in 51 public relations and educational/special events, our reserve unit volunteered 1100 hours of service to the community.

I would also like to highlight Senior Police Secretary Tanya Junker as being the recipient of the Excellence in Support Award from the MN Women of Police Association. This award recognizes excellent day-to-day performance, innovative thinking, problem solving and leadership. I cannot think of someone more deserving of this award in our agency. Congratulations Tanya!

Due to applicant shortages, hiring police officers continues to be a challenge but I am pleased to report the hiring of two new officers to our ranks this past year. Officer Nicholas Herwig was hired in January 2022 and prior to becoming a police officer with us was a 1st Lieutenant in the U.S. Marine Corps. Officer William Pohlmann was hired in November 2022 and was a police officer in Mountain Lake before being hired in North Mankato.

From a criminal offense standpoint 2022 brought with it a small decrease in the Group A Offenses reported to our agency: 440 reported in 2022 compared to 454 reported in 2021. Group A offenses are the more serious criminal offenses which include offenses such as assault, burglary, theft, etc. as defined by the National Incident Based Reporting System. Pages 9 and 10 illustrate our 2022 crime data statistics in more detail.

Thank you for taking the time to view our 2022 annual report.

Respectfully submitted,

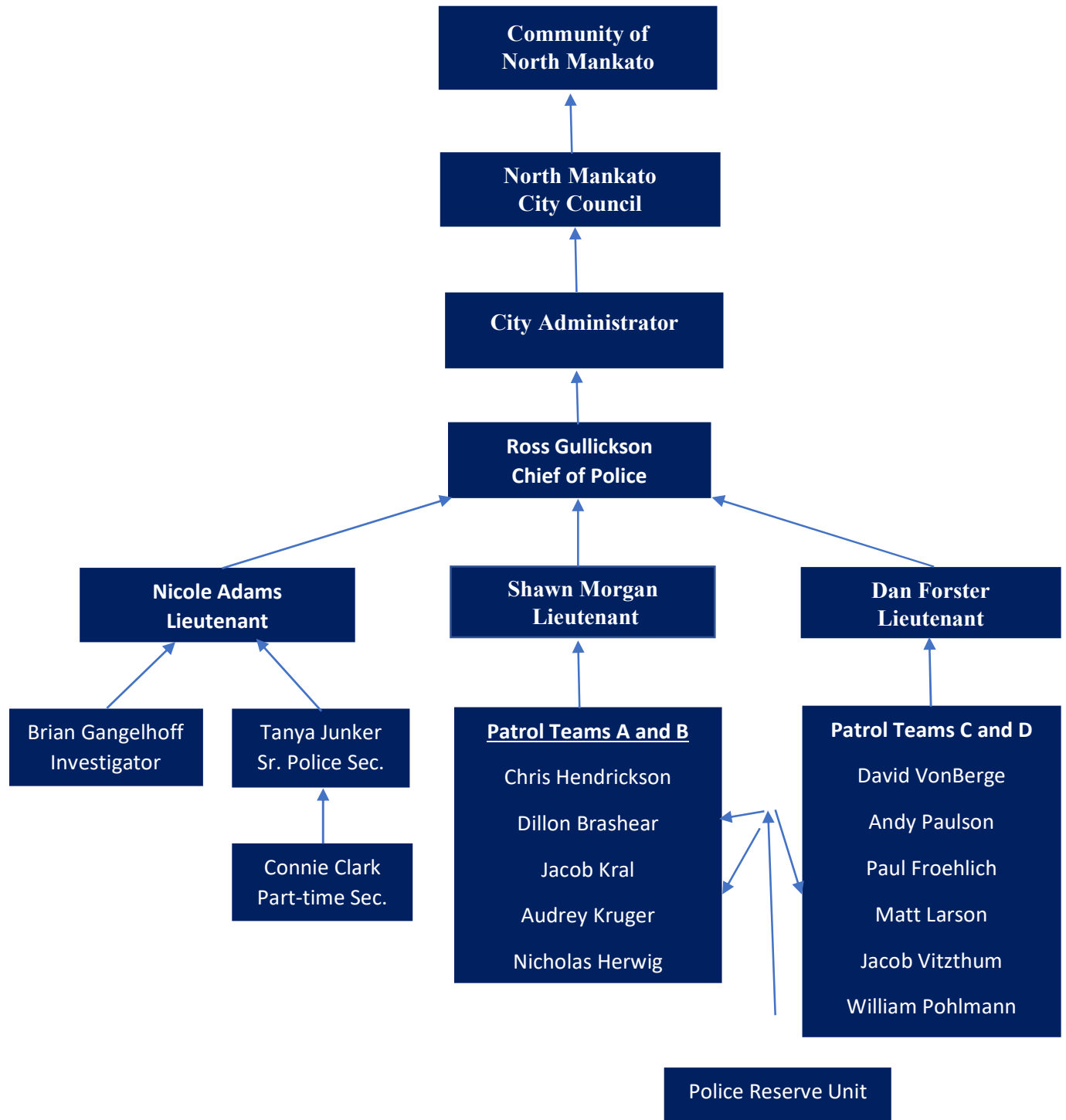
Ross Gullickson, Chief of Police.



North Mankato Police

Table of Organization

2022



DEPARTMENT SUMMARY

2022 BUDGET

\$2,473,496

Department's 2022 Budget

8.54%

Portion of City's overall budget dedicated to Police Services

DEPARTMENT AUTHORIZED STRENGTH as of December 31, 2022

15

Sworn Officers

1.5

Civilian Staff

14

Volunteer Reserves

1 Police Chief
3 Police Lieutenants
1 Investigator
10 Patrol Officers

1 Senior Secretary
.5 Part-Time Secretary

1 Reserve Chief
2 Reserve Captain
2 Reserve Sergeant
9 Reserve Officers

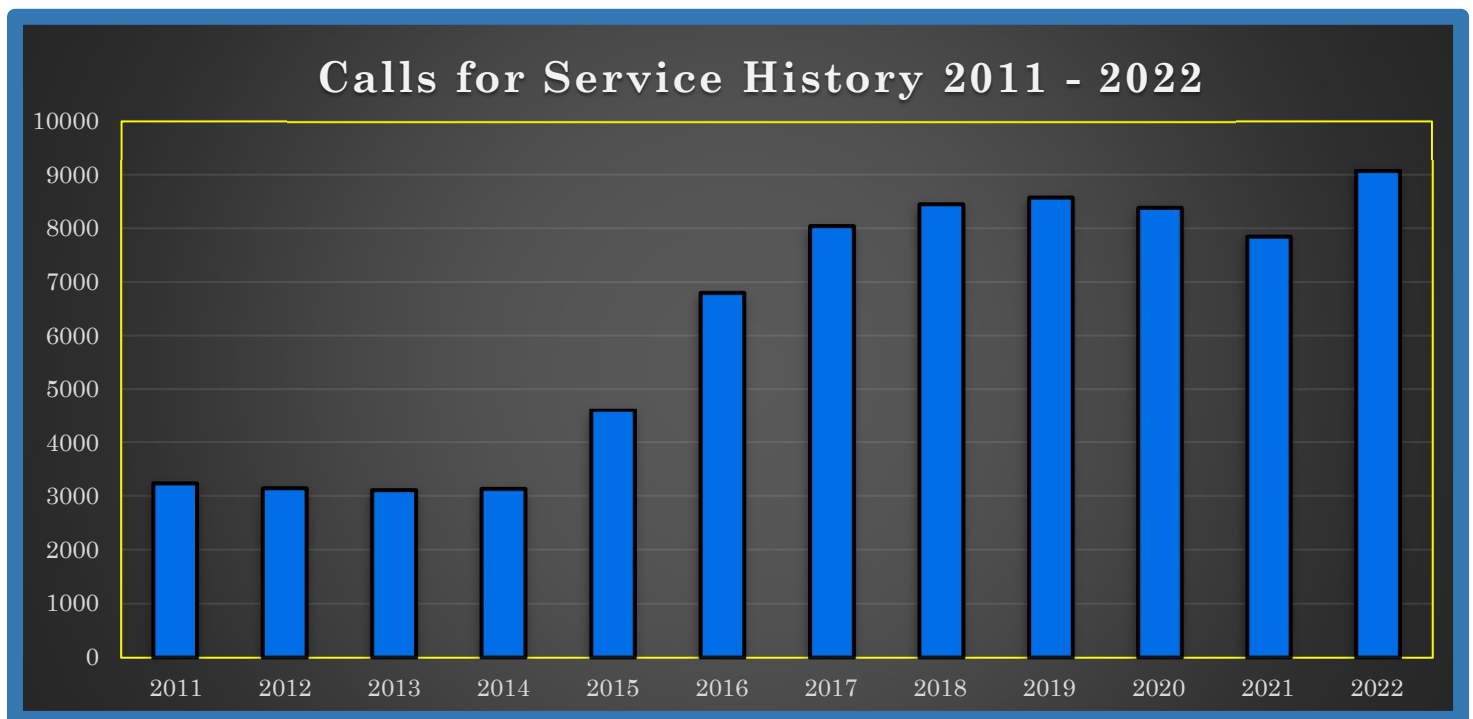
FLEET as of December 31, 2022

5 Marked Squad Cars **2** Unmarked Investigator Vehicles **1** Unmarked Chief Vehicle

EMPLOYEE COUNT HISTORY as of December 31

YEAR	POPULATION	SWORN POLICE OFFICERS	CIVILIAN OFFICE STAFF	VOLUNTEER RESERVES	CALLS FOR SERVICE
2022	14117	15	1.5	14	9063
2021	14117	15	1.5	17	7841
2020	14008	15	1.5	16	8377
2019	13977	13	1	17	8570
2018	13794	15	1.5	14	8440
2017	13664	14	1.5	17	8035
2016	13553	14	1.5	14	6797
2015	13438	14	1.5	15	4600
2014	13448	13	1.5	15	3128
2013	13357	13	1.5	18	3105
2012	13523	13	1.5	17	3145
2011	13497	12	1.5	17	3235

*Population data estimate provided by the Federal Bureau of Investigation and not reflected of current City data



Training

Officers who serve the citizens of North Mankato receive a wide variety of training. Some of the training is mandated by the State of Minnesota. These areas include Firearms, Response to Resistance, Emergency Driving, Crisis Intervention/Mental Illness, Conflict Management/Mediation and Recognizing Diversity and Cultural Differences. The department utilizes an online training service through the League of Minnesota Cities to provide training that can be completed at any time and requires no travel. The training includes any new court decisions and how they affect law enforcement, Occupational Safety and Health Administration (OSHA) classes and critical knowledge for officers. The average officer devotes over 50 hours a year to training. North Mankato Police Officers collectively trained for 1,100 hours in 2022.



Investigations

The investigations unit consists of supervisor Lieutenant Nicole Adams and Investigator Brian Gangelhoff. This unit is responsible for the coordination of all types of criminal investigations from misdemeanor to felony level crimes. This team is trained in death scene investigations, evidence collection/maintenance, and conducting interviews. In 2022, the investigations team investigated 407 cases.

In addition to investigating criminal cases, the unit oversees local predatory offenders, and coordinates local compliance checks. Currently there are 35 registered offenders in the City of North Mankato.

The investigation unit also maintains a secure drop box which allows citizens to anonymously dispose of waste pharmaceuticals and narcotics free of charge. In 2022, 445 pounds of pharmaceutical waste including prescription drugs, over-the-counter medicines, narcotics, vitamins, supplements, and ointments were collected. Since inception in 2015; 1,950.5 pounds of pharmaceutical waste have been properly disposed at a licensed incinerator within the State of Minnesota.

Administrative Support Services

Lieutenant Nicole Adams oversees the administrative support unit for the North Mankato Police Department. This unit is staffed with one full-time Senior Police Secretary and one-part time Police Secretary. The secretaries are responsible for administrative support including but not limited to record and citation processing, non-emergency dispatching, firearm related background checks, receptionist duties and providing excellent customer service.

The Senior Police Secretary also serves as the Bureau of Criminal Apprehension Terminal Agency Coordinator, National Incident-Based Reporting Agency Coordinator, and Data Practices Designee for the department focusing on compliance, processing requests for information, and compiling departmental statistics.

In 2022, administrative support services reviewed 9063 incident reports, conducted 101 firearm permit backgrounds, processed 393 citations, assembled 146 cases for prosecution, and fulfilled 822 requests for information along with several other administrative functions.

Patrol Division

The patrol division is overseen by Lieutenant Dan Forster and Lieutenant Shawn Morgan and consists of 10 patrol officers. Our patrol officers represent the police department with focus on service with compassion, integrity, and professionalism. They respond to all calls for service including but not limited to high-risk situations, active criminal matters, disturbance calls, accidents, missing children, medicals, animal complaints and suspicious circumstances. Patrol officers also enforce traffic laws, conduct school patrols, and attend community events.



Officer Froehlich performed 215 hours of Toward Zero Death (TZD) traffic enforcement; this is above and beyond his regular scheduled shifts. Toward Zero Death enforcement is a grant program that provides federal funds to law enforcement agencies to work hours dedicated to enhanced traffic enforcement that focuses on impaired driving, occupant protection, speed, distracted driving, and the “Move Over” law.

The Patrol division works 12 hour shifts and provides a minimum coverage of two officers per shift to serve the community around the clock – 24 hours a day, 7 days a week.

NEW HIRE



Officer Nicholas Herwig was hired in January 2022 to fill a vacant position from 2021. Officer Herwig previously worked for the Blue Earth County Jail and previously served as a Field Artillery Officer in the United States Marine Corps. Officer Herwig grew up in the Mankato area and has enjoyed serving the local community during his first year working in North Mankato.



Officer Will Pohlmann was hired in November 2022 to fill a vacant patrol position from the previous year. Officer Pohlmann previously worked for the Redwood County Jail, was a Deputy for Mahnommen County and most recently worked as a full-time Police Officer for the City of Mountain Lake. Officer Pohlmann has been married for 10 years and has a 7-year-old son. He is an avid outdoorsman that enjoys hunting, fishing, and backpacking. He looks forward to being an active participant in the various community events.

AWARD & RECOGNITION

In May the Minnesota Women of Police Association presented Senior Police Secretary Tanya Junker with the Excellence in Support Award. This award is a competitive award to recognize a female support staff member for a law enforcement agency who provides excellent day-to-day performance and who helps enhance the agency through innovative thinking, problem solving, leadership and mentoring to other support staff personnel and law enforcement officers within their agency.



Police Reserves

The reserve unit is headed by Reserve Chief David Krueger and supervised by Officer Matt Larson, Officer Audrey Kruger and Officer Dillon Brashear.

The North Mankato Police Reserve Unit is a dedicated team of volunteers serving the community by assisting with local events. Throughout the unit's history the reserves have donated hundreds of thousands of hours to the citizens of the City of North Mankato. In 2022, the reserve unit volunteered over 1,100 hours.

The reserve unit receives ongoing monthly training in various aspects such as basic first aid, Cardiopulmonary Resuscitation (CPR), Automated External Defibrillator (AED) use, mental health crisis response, flood preparations, defensive tactics, traffic management, skywarn, search, rescue and scenario-based training.

The Police Reserves are always welcoming new members. If you feel the call to serve your community, please stop in and fill out an application.



Special Assignments

Police Chief Committee Membership

The Police Chief is an active member of the community and serves on many boards including but not limited to:

- North Mankato Traffic and Safety Committee – Member
- TAPESTRY Refuge Program Planning Team - Member
- Regional Emergency Management Team – Member
- Regional Drug Task Force – Board member
- Tactical Response Team – Board Member
- Nicollet County Adolescent Chemical Wellness – Advocate

Tactical Response Team (TRT)

This team is composed of highly trained deputies and officers from the North Mankato Police Department, Mankato Department of Public Safety, Nicollet County Sheriff's Office, Saint Peter Police Department, Blue Earth County Sheriff's Office and Le Sueur County Sheriff's Office that respond to high-risk law enforcement situations. This team is committed to excellence and keeping our communities safe.

The North Mankato Police Department had two members on the Tactical Response Team: Lieutenant Forster, and Officer Froehlich. Lieutenant Forster served on the Tactical Response Team for 18 years; the last 4 as commander of the team before his retirement from the team on December 31, 2022. His leadership, decisiveness, and critical-thinking skills will be missed by the team. Lt Forster continues to serve the North Mankato community with integrity and unwavering commitment.



Departmental Special Duties and Training Instructors

- Minnesota South Central Investigators Coalition – Lieutenant Nicole Adams & Investigator Brian Gangelhoff
- Firearms Instructors – Officer Chris Hendrickson and Officer Jacob Kral
- Combative Defensive Tactics Instructor– Investigator Brian Gangelhoff and Officer Jacob Vitzthum
- Taser Instructors – Officer David VonBerge and Lieutenant Shawn Morgan
- Pepperball Instructors – Officer Paul Froehlich and Lieutenant Shawn Morgan
- Use of Force Instructor – Officer Jacob Vitzthum
- Active Shooter / Active Violence Instructor – Lieutenant Dan Forster
- Reserve Unit Coordinator –Officer Audrey Kruger and Officer Dillon Brashear
- Field Training Officer Instructors – Officer Andreas Paulson, Officer David VonBerge, Officer Jacob Kral, and Officer Paul Froehlich, Officer Jacob Vitzthum

Crime Statistics

Crime data is reported to the Minnesota Bureau of Criminal Apprehension (BCA) and the Federal Bureau of Investigation (FBI). The National Incident Based Reporting System (NIBRS) requires differing levels of detail in reporting Group A and Group B offenses. Group A offenses are the more serious crimes and include all incidents reported to Law Enforcement. Group B crimes tend to be minor in nature and require an arrestee segment for submission. The data in these reports continues to change as open investigations are completed and charges filed with the Minnesota Court System. The reports below are current as of 1/31/2023.

Group A Offenses and Clearances by Classification

OFFENSE	CODE	OFFENSES REPORTED	CRIME RATE PER 100,000	CLEARED BY ARREST	CLEARED BY EXCEPTIONAL MEANS	CLEARED INVOLVING ONLY JUVENILES
Animal Cruelty	720	1	7	0	0	0
Arson	200	0	0	0	0	0
Assault	13	121	857	46	25	10
Bribery	510	0	0	0	0	0
Burglary/Breaking & Entering	220	29	205	3	3	1
Counterfeiting/Forgery	250	9	64	2	0	0
Destruction/Damage/Vandalism of Property	290	61	432	8	5	1
Drugs/Narcotics Violations	35A	31	220	16	1	0
Drug Equipment Violations	35B	9	64	5	1	0
Embezzlement	270	1	7	0	1	0
Extortion/Blackmail	210	2	14	0	0	0
Fraud Offenses	26	32	227	1	1	0
Gambling Offenses	39	0	0	0	0	0
Homicide	9	0	0	0	0	0
Human Trafficking	64	0	0	0	0	0
Kidnapping/Abduction	100	2	14	0	0	0
Larceny/Theft	23	92	652	5	5	3
Motor Vehicle Theft	240	10	71	1	0	0
Pornography/Obscene Material	370	5	35	1	0	0
Prostitution Offenses	40	0	0	0	0	0
Robbery	120	0	0	0	0	0
Sex Offenses, Forcible	11	19	135	1	3	0
Sex Offenses, Nonforcible	36	0	0	0	0	0
Stolen Property Offenses	280	5	35	2	0	1
Weapon Law Violations	520	11	78	3	0	0
Grand Total		440	3117	94	45	16
Group A Clearance Rate		35.23%	Data is current as of 1/31/2023 NIBRS Population Estimate: 14,117			

Group B Arrests by Classification

Data is current as of 1/31/2023
NIBRS Population Estimate: 14,117

OFFENSE	CODE	TOTAL ARRESTS	TOTAL ARREST INVOLVING ONLY JUVENILES
Curfew/Loitering/Vagrancy Violations	90B	0	0
Disorderly Conduct	90C	11	2
Driving Under the Influence	90D	26	0
Family Offenses, Nonviolent	90F	0	0
Liquor Law Violations	90G	0	0
Runaway	90I	0	0
Trespass of Real Property	90J	2	0
All Other Offenses	90Z	17	0
Grand Total		56	2

Criminal Charges / Citation and Demographic Data

	White	Black	Asian	American Indian/ Alaska Native	Native Hawaiian / Other Pacific Islander	Unknown	Charged Total	Total ICRs
JANUARY	25	4	0	1	0	3	30	647
FEBRUARY	20	9	0	0	0	2	31	584
MARCH	22	9	3	0	0	2	36	729
APRIL	29	9	0	0	0	2	40	728
MAY	35	19	0	0	0	1	55	845
JUNE	31	18	1	0	0	4	54	753
JULY	42	7	0	0	0	5	54	818
AUGUST	39	11	0	0	0	2	52	831
SEPTEMBER	27	15	0	0	0	5	47	736
OCTOBER	30	11	1	0	0	3	45	666
NOVEMBER	31	12	0	0	0	31	74	820
DECEMBER	37	10	0	0	0	38	85	906
TOTAL	368	134	5	1	0	95	603	9063

*November and December included misdemeanor citations for snow emergency violations– race of registered owners unknown
Data is current as of 1/31/2023

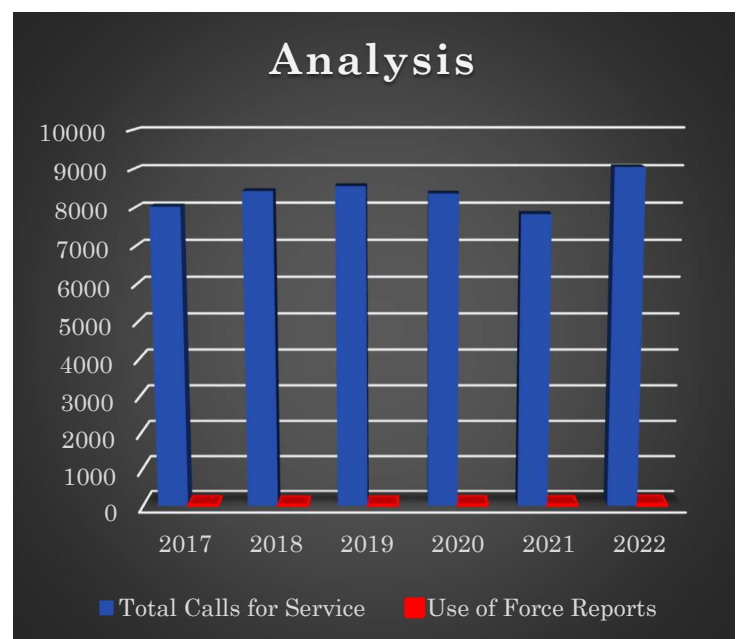
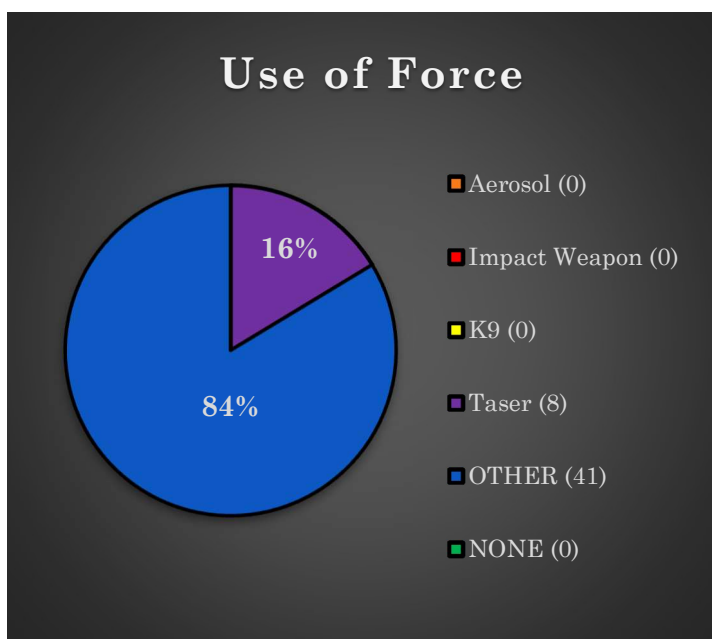
Use of Force

The North Mankato Police Department is committed to being transparent in all aspects of our police service, including the incidents in which our officers must use force in the performance on their duties. Our officers strive to control and deescalate situations, but unfortunately not everyone we encounter is cooperative, and sometimes we must use force to defend ourselves/others or take people into custody.

In 2022, the department had 9,063 calls for service with 35 incidents presenting level of resistance requiring use of force reports: these incidents represent 0.386% of the department calls for service.

A single incident may contain more than one response to resistance report if multiple officers responded or multiple subjects were involved. Of the 35 incidents resulting in use of force; there were 36 subjects and 49 reports completed.

Level of Resistance Presented by Subject	Total Subjects	Race
Aggravated Active Aggression Towards Officer: <i>Force presented with the intent to kill or inflict great bodily harm to an officer</i>	1	White - 1
Active Aggression Towards Officer: <i>Force presented to intentionally inflict physical injury or harm to an officer</i>	2	White - 2
Active Resistance Towards Officer: <i>Force presented to actively resist an officer but not to assault or intentionally inflict injury</i>	22	American Indian/Alaskan Native – 1 Black – 5 White – 16
Passive Resistance Towards Officer: <i>Force presented to minimally resist an officer</i>	4	Black – 2 Unknown – 1 White – 1
Compliant with Officer Directions/Commands: <i>No resistance encountered. Subject compliant with instructions or directives.</i>	7	Black – 2 White - 5



Calls for Service

Each call for service is assigned a call title. Calls may include multiple criminal offenses and non-criminal activities; however, they can only be assigned one call title within the records management system.

In 2021, the call for service titles were updated to align with National Incident Based Reporting System (NIBRS) offense categories and streamline non-criminal call types.

CALL FOR SERVICE TITLE	2017	2018	2019	2020	2021	2022
911 Verification	232	310	512	486	170	157
Abandoned Vehicle	N/A	N/A	N/A	N/A	0	3
Accident	199	233	237	174	187	233
Adult/Child Protection Reports	213	203	196	185	218	254
Alarm	182	171	211	178	203	193
Animal Complaint	189	167	222	181	219	219
Animal Cruelty (A) 720	N/A	N/A	N/A	N/A	0	1
Arson (A) 200	14	1	3	5	3	0
Assault (A) 13	88	74	85	83	81	94
Assist Other Agency	447	454	496	343	237	217
Bad Checks (B) 90A	N/A	N/A	N/A	N/A	1	0
Bribery (A) 510	N/A	N/A	N/A	N/A	0	0
Burglary/Breaking & Entering (A) 220	33	15	16	12	28	30
Burn Prohibited Materials (B) 90Z	N/A	N/A	N/A	N/A	0	0
Burn w/o Permit (B) 90Z	N/A	N/A	N/A	N/A	0	0
Civil Issue	120	115	160	195	151	176
Civil Orders	0	0	0	1	0	0
Commitments	0	0	1	0	0	0
Compliance Checks	27	25	29	14	18	15
Counterfeiting/Forgery (A) 250	5	5	10	18	6	9
Court Order Violation OFP/HRO/DANCO (B) 90z	N/A	N/A	N/A	N/A	17	29
Crimes Against Government	2	1	1	2	N/A	N/A
Crimes Against Justice	26	31	12	5	N/A	N/A
Curfew/Loitering/Vagrancy (B) 90 B	N/A	N/A	N/A	N/A	3	4
Dangerous Dog Designation	N/A	N/A	N/A	N/A	0	0
Disorderly Conduct (B) 90C	N/A	N/A	N/A	N/A	26	28
Disturbance	151	147	136	142	130	164
Domestic	85	96	83	75	98	71
Door/Window Found Open	33	25	21	20	14	23
Driving Under the Influence (B) 90D	28	23	25	15	9	37
Drunkenness (B) 90E	22	23	11	6	16	9

Embezzlement (A) 270	N/A	N/A	N/A	N/A	0	1
Escape/Flight	7	2	5	2	N/A	N/A
Extortion/Blackmail (A) 210	N/A	N/A	N/A	N/A	2	2
Extra Patrol Request	54	57	72	75	60	56
Family Offenses Nonviolent (B) 90F	N/A	N/A	N/A	N/A	0	3
Fed/Conserv/JV/Liquor (M)	48	48	34	29	N/A	N/A
Fire	86	104	89	105	106	112
Firearm Accidents	N/A	N/A	N/A	N/A	0	0
Found Property	176	166	193	116	123	85
Fraud (A) 26	N/A	N/A	N/A	N/A	34	30
Fugitive from Justice (B) 90Z	N/A	N/A	N/A	N/A	0	0
Funeral/Money Escorts	15	19	10	8	17	14
Gambling (A) 39	N/A	N/A	N/A	N/A	0	0
General Order/Special Details	11	20	46	29	3	0
Homicide (A) 09	0	1	0	0	0	0
Hospice Notice	N/A	N/A	N/A	60	78	55
Human Trafficking (A) 64	1	0	0	0	0	0
Illness/Death Notification	4	5	2	3	5	7
Information Only	N/A	N/A	N/A	N/A	100	139
Kidnapping/Abduction (A) 100	0	0	0	1	1	1
Liquor Law Violations (B) 90G	N/A	N/A	N/A	N/A	2	2
Lost Property	76	75	65	58	33	37
Medical	685	692	776	774	906	1138
Medication Drop Box Disposal	N/A	N/A	N/A	N/A	3	3
Missing Person/Runaway JV	29	25	23	10	29	26
Motor Vehicle Theft (A) 240	29	18	19	17	6	10
Motorist Assist	110	141	201	149	93	139
Narcotics (A) 35	52	55	46	44	29	34
Neighbor/Neighborhood Issues	22	22	23	22	31	11
Noise Complaint	71	57	87	76	97	68
Obscene/Harassing Communications (B) 90z	N/A	N/A	N/A	N/A	11	8
Obscenity	4	4	5	6	N/A	N/A
On Call Social Worker Referral	0	0	1	1	1	0
Ordinance Violation	N/A	N/A	N/A	N/A	35	24
Other Criminal Offenses (B) 90z	N/A	N/A	N/A	N/A	35	25
Paper service/attempts	0	0	3	1	1	0
Parking Complaint	190	248	292	254	235	310
Patrols	239	430	50	45	9	6
Peeping Tom (B) 90H	N/A	N/A	N/A	N/A	1	0
Permits (Firearms)	123	125	111	189	129	101
Pornography/Obscene Material (A) 370	N/A	N/A	N/A	N/A	0	4

Predatory Offender - Fail to Register (B) 90Z	N/A	N/A	N/A	N/A	0	2
Predatory Offender Registration	69	94	97	69	49	80
Probation Transport	N/A	N/A	N/A	N/A	0	3
Property Destruction/Damage/Vandalism (A) 290	119	68	79	95	70	53
Prostitution Offense (A) 40	0	0	0	1	0	0
Public Assist	342	348	461	509	403	362
Public Education/Public Relations	N/A	N/A	N/A	N/A	98	51
Public Health Notices	0	0	0	15	0	0
Pursuit (999)	N/A	N/A	N/A	N/A	1	1
Records	628	849	875	843	888	822
Residence Check Requests	56	42	29	20	31	24
Robbery (A) 120	1	0	2	0	1	0
Runaway (B) 90I	N/A	N/A	N/A	N/A	39	39
Search Warrants	1	3	1	0	5	0
Sex Offenses (A) 11/36	13	17	12	16	6	19
Sign or Light Repair/Roadway Obstruction	69	66	105	95	93	94
Solicitor/SCAM Complaints	75	60	81	69	63	41
Stolen Property (A) 280	3	4	2	0	2	3
Suspicious Circumstance	401	354	394	426	436	360
Theft Related	79	57	58	79	N/A	N/A
Theft/Larceny (A) 23	103	108	81	99	142	93
TipLine/Tip info	N/A	N/A	N/A	N/A	11	29
Traffic Complaints	204	207	171	136	184	159
Traffic stops	1377	1415	1220	1369	959	2040
Traffic Violations - F/GM (999)	N/A	N/A	N/A	N/A	5	5
Transport	3	7	9	4	4	9
Trespass of Real Property (B) 90J	N/A	N/A	N/A	N/A	14	4
TRT Callout	2	5	2	4	2	4
TZD	32	31	21	9	16	47
Underage Party Complaint	0	0	2	0	0	0
Unlawful Disposal (B) 90Z	N/A	N/A	N/A	N/A	5	7
Vehicle Repossession	16	13	16	23	10	21
Warrant service/attempts	141	93	64	41	38	42
Weapon Law Violation (A) 520	35	17	20	39	8	7
Weather	2	0	0	0	0	0
Welfare Check	136	149	148	202	208	225
GRAND TOTAL	8035	8440	8570	8377	7841	9063

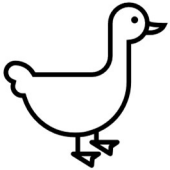
Noteworthy Incidents



Officers responded to a call of an unresponsive 36-year-old male that was found face down, not breathing, and lips turning blue. The caller had administered Narcan and began CPR compressions. By the time officers arrive, the male was responsive and refused to be transported to the hospital by paramedics. The male admitted to taking two “street” Xanax.



Officers were dispatched to an apartment fire. Upon response officers found a wide-open patio door. Inside the apartment was in complete disarray with food smeared on almost every surface including walls, ceilings, floor, furniture, etc. The fire appeared to be started intentionally. This case was investigated but no suspect was identified.



Officers responded to multiple animal complaints for ducks stuck in storm drains, the Spring Lake Park Pool, and in the roadway. Officers were able to save and relocate over 30 ducks and ducklings.



Officers were dispatched to a complaint of a vehicle driving erratically on the highway and exiting into North Mankato. An Officer pulled behind the vehicle and approached the car advising the male occupant to stop. The male occupant began to fight the officer. The vehicle was put into gear and struck an unmarked squad car. The male occupant was arrested and charged under Court File# 52-CR-22-273.



Officers responded to Mankato West High School to assist the Mankato Department of Public Safety with a call of an active shooter/hostage situation. The call was later determined to be a hoax.



Officers were dispatched to a medical where a party was choking on a piece of food; family had unsuccessfully completed the Heimlich maneuver; the patient lost consciousness and family started CPR. Officers arrived and were able to successfully dislodge a small piece of the blockage using the Heimlich maneuver and party was transported to the hospital.



Officers responded to a call of a 29-year -old female that was unconscious, turning blue, and breathing faintly. Family advised the subject had taken prescribed Percocet and Valium, there was also a glass pipe commonly used for smoking methamphetamine found on the bed near the female. Paramedics administered IV fluids and Narcan which proceeded to wake up the female and she was transported to the hospital.



Officers were dispatched to a welfare check of two children. The adult subject with the children was intoxicated and became belligerent towards officers. The subject was informed that officers needed to ensure the children were safe. The subject stood up, clenched his fists, and postured as if he was going to fight. Officers advised the subject that he was under arrest and the subject made a movement to enter the residence. The subject pulled away and began to fight with officers. The subject grabbed on to the officer's taser and attempted to pull it out of his hand. Subject was arrested and charged under Court File# 52-CR-22-266



Officers received a report of a possible abduction and motor vehicle theft. An officer conducted a traffic stop of the vehicle and a child related to the subject was in the vehicle. Subject was placed under arrest. The victims credit card was in the vehicle and returned to the victim. It was discovered that the subject used the car without permission. Formal charges were filed under Court File# 52-CR-22-365.

Community Connections



Public Relations & Education

Connecting with the community continues to be a focus for the North Mankato Police Department. In 2022, the Police Department participated in 51 public relation and education events and documented 306 school patrols.

DATE	EVENT/TOPIC	ORGANIZATION/LOCATION	OFFICER
2/7	Show Child Squad Car	White Oak Drive	718
3/2	Law Enforcement Leadership	Minnesota State University - Mankato	701
3/16	Round Table Talk - Diversity, Equity, and Inclusion	Minnesota State University - Mankato	701
3/18	Tapestry Session	Minnesota Council of Churches	701
4/9	Bunnies on Belgrade	Businesses on Belgrade	Reserve Unit
4/22	Tapestry Session	Minnesota Council of Churches	701
4/29	School Dance	Dakota Meadows Middle School	Reserve Unit
5/9	ABATE Parade	City of North Mankato	701, 712, 707 Reserve Unit
5/10	Patch Presentation	Eagle Ridge Lane	718
5/12	United Way Book Delivery	Bridges Community School Hoover Elementary School Monroe Elementary School	701, 704, 718, 705
5/13	Tapestry Session	Minnesota Council of Churches	701
5/21	Booking on Belgrade	Businesses on Belgrade	701, Reserve Unit
5/28	Child's Birthday Party	Fairbanks Drive	718
5/30	WWII Memorial Service	Wheeler Park	718
6/6	Mankato Brewery Cook-Off	Mankato Brewery	Reserve Unit
6/18	Art Splash	South Central College	Reserve Unit
6/25	Mission 22	American Legion	Reserve Unit
7/4	4th of July	Fireworks Detail	711, 714, 718, Reserve Unit
7/6	Fun Days	City of North Mankato	NMPD Officers & Reserves
7/7	Fun Days	City of North Mankato	NMPD Officers & Reserves
7/7	Partnership Meeting	Powerup Clubhouse	701
7/8	Fun Days	City of North Mankato	NMPD Officers & Reserves
7/9	Fun Days	City of North Mankato	NMPD Officers & Reserves
7/10	Fun Days	City of North Mankato	NMPD Officers & Reserves
7/15	Adult Swim Night	Spring Lake Park Swimming Facility	NMPD Officers & Reserves
7/21	Mental Health, Criminal Justice System and Substance Abuse	Somali Community	701
7/31	Blues on Belgrade	Businesses on Belgrade	701, 710, Reserve Unit
8/2	Night to Unite Parties	City of North Mankato	701, Reserve Unit

8/20	Adult Swim Night	City of North Mankato	711
8/21	Fentanyl Awareness Day	Ray Erlandson Park	701
8/28	Running for Rescues	Key City Running	Reserve Unit
9/10	Symphony on the Prairie	Benson Park	701, Reserve Unit
9/10	Community Has Heart Family Fun Event	Lasting Imprint / Spring Lake Park	Reserve Unit
9/17	Bier on Belgrade	Businesses on Belgrade	706, 714, Reserve Unit
9/30	Mount Olive Charger Walk	Spring Lake Park	701, 706, 712
10/1	Party of the Prairie	Benson Park	Reserve Unit
10/5	Talk	Lighthouse Club	701
10/7	Child's Birthday Party	1000 Block of Oak Terrace	705
10/9	Mankato River Ramble	Bicycle Alliance of Minnesota	Reserve Unit
10/15	Jack-O-Lantern Walk	Benson Park	Reserve Unit
10/19	Risser Run	Hoover Elementary	701, 703, Reserve Unit
10/23	ATV Safety Field Day	Nicollet County Fairgrounds	704
10/28	Middle School Dance	Dakota Meadows Middle School	Reserve Unit
10/31	Trunk or Treat / Halloween Patrol	City of North Mankato	Reserve Unit
11/16	Ethical Leadership in Law Enforcement	Minnesota State University - Mankato	701
11/16	Ethical Leadership in Law Enforcement	Minnesota State University - Mankato	701
11/19	Coffee with a Cop	Caribou Coffee	701, 712, Reserve Unit
11/25	Kiwanis Holiday Lights	Sibley Park	Reserve Unit
12/3	Shop with a Cop	Mills Fleet Farm	701, 708, Reserve Unit
12/3	Bells of Belgrade	Businesses on Belgrade	714, Reserve Unit
12/26	Dakota 38 + 2 Ride		Reserve Unit

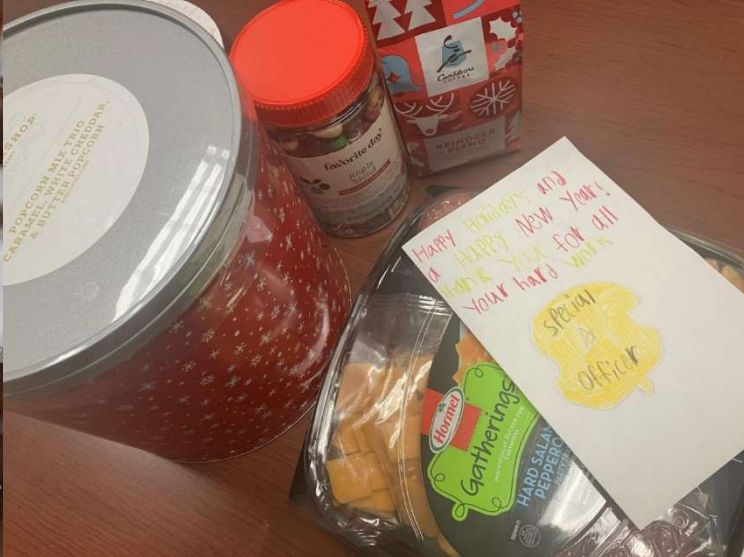
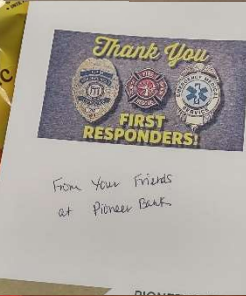
2022 School Patrols

South Central College	45	Hoover Elementary	70
Dakota Meadows Middle School	58	Bridges Community School	58
Futures School	4	Monroe Elementary	71
TOTAL SCHOOL PATROLS: 306			



Community Support

The community is at the heart of everything we do and we are grateful to have their support.





Fire Department Report

March 6, 2023



North Mankato Fire Department

Who we are:


30 members + 5 Probationary Firefighters

- Fire Fighter I and II, Hazardous Material Operations, Certification by Minnesota Fire Certification Board.
- Members with Incident Command System Certification to ICS400
- MBFTE Instructors and Officer I and II
- Minnesota Fire Certification Evaluators



Our Mission Statement

We are committed to protect the lives and property of the community through dedication to training, public education and emergency preparedness.

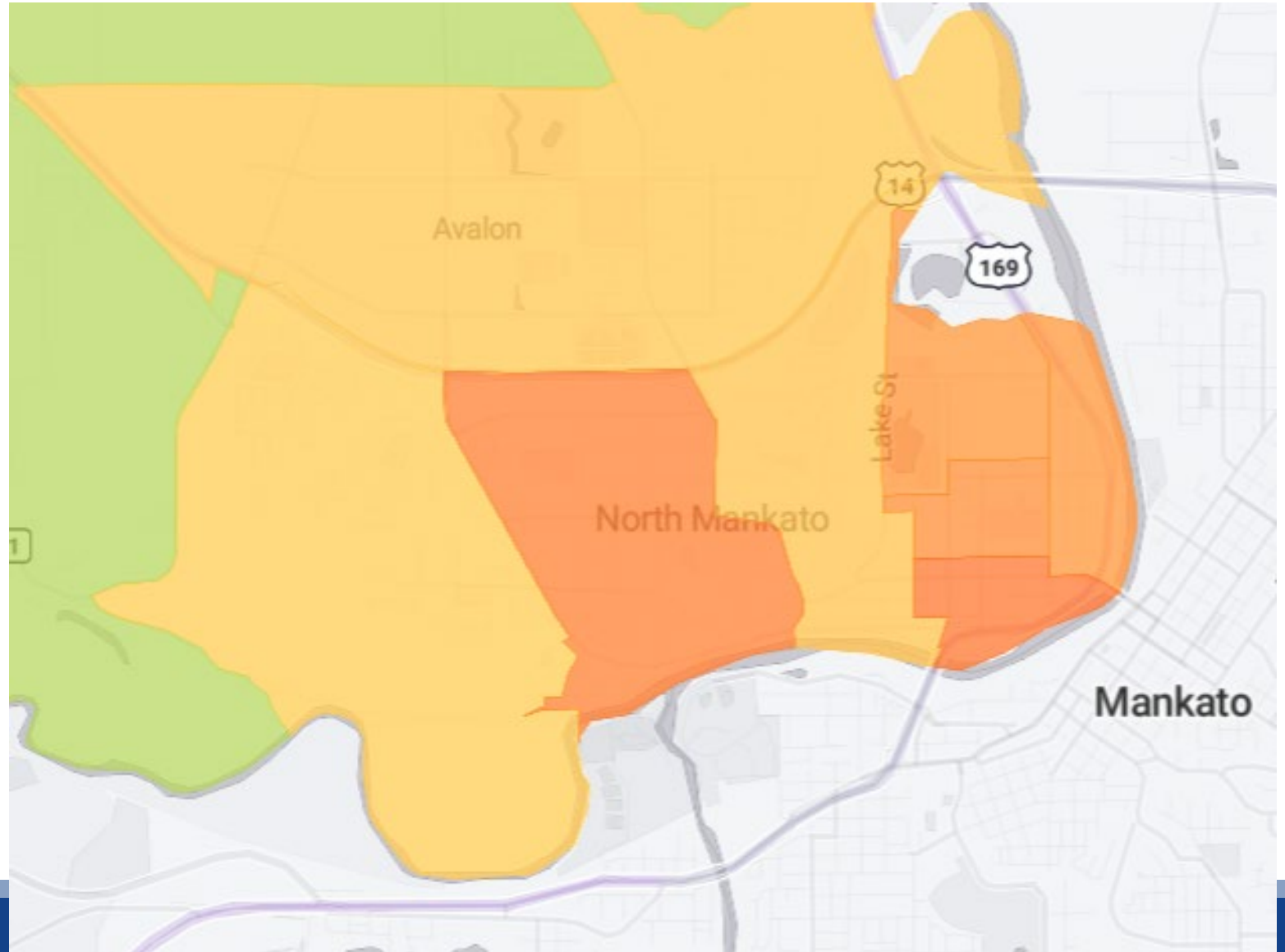


Public Education: Community Risk Reduction

- Throughout the year, especially around Fire Prevention Week, fire department members visit the schools and many day care facilities in our community in an effort to spread the message of fire safety. The number of fire calls we have each year has been steadily decreasing which indicates that our fire prevention and public education efforts are paying off.



Areas of Public Safety Fire Risk





Incidents 2022

Basic Incident Type Category (FD1.21)	Count by Incident Type: 135 Calls	Percent of Total Incidents
1 - Fire	35	26.5%
3 - Rescue & Emergency Medical Service Incident	5	3.57%
4 - Hazardous Condition (Gas Leak/ No Fire)	33	25%
5 - Service Call	6	4.5%
6 - Good Intent Call	7	5.3%
7 - False Alarm & False Call	49	37.1%



Areas of Risk North Mankato

Cooking

Aging Population

Engineering & Inspection (rental inspections, alarms, code enforcement)

Economic Stress (changes in behavior)

Equipment Apparatus and Support Vehicles

Vehicle Number	Year	Make	Model and Details	Use	Current Age (2023)	Estimated Useful Life Expectancy	Proposed Replacement Date	Estimated Replacement Cost (Today)*
E-45	1997	Pierce	Saber Pumper - Custom Chassis	Engine	26	25 years	2025	\$ 800,000
E-46	2006	Pierce	7400 Pumper - International Chassis	Engine	17	25 years	2031	\$ 900,000
L-64	2006	Pierce	Saber Pumper - Custom Chassis (Enforcer)	Ladder	17	25 years	2031	\$ 1,100,000
T-82	2006	Chevrolet	C4500 w/ Forstner Box and Pump	Grass Rig	17	25 years	2031	\$ 350,000
T-83	2007	GMC	Breathing Air/Generator Support Vehicle	Air Truck	18	30 Years	2037	\$ 350,000
T-84	1991	Lynch/GMC	Support Van	Van	32	30 Years	2023	\$ 251,000
T-85	2003	Chevrolet	Workhorse Van - Support Van	Van	20	30 years	2033	\$ 500,000



2023 Improvements

Ford F550 Rescue Truck to replace 1991 Chevrolet stepvan.

Stadium Scene Lighting from department fundraising

Extrication Tools (Jaws of Life) from department fundraising



Budget Items Looking Forward

Projections

- Replace Radios 3 a yr. \$15,000
- Large Diameter Hose 5 section a yr at \$500 each
- Overhead Door Seals
- Reroof station

Possible projects

- Exhaust systems for trucks in stations
- Re-caulk building
- LED Lighting for Stations
- OSHA compliant fall protection in stations



Training Dollars Award 2022

- The Minnesota Board of Firefighter Training and Education (MBFTE) is pleased to notify you that your fire department has been awarded, under the Round 14 (FY22) training reimbursement program, the amount of **\$4,760.00**. This training reimbursement award is for MBFTE approved training conducted between July 1, 2021 and June 30, 2022 (see the approved reimbursable classes list at www.mbfte.org). Award funds MUST be spent on the approved MBFTE list of classes.
- MBFTE 2023 Training Dollars Award up to \$9900.00 for other department trainings



Training

- 1317.50 Hours of Training in 2022
- \$200 + per firefighter reimbursement from Minnesota Board of Fire Training and Education for 2023 that we will use to maximum of \$9900.00



5 New Firefighters Training

- Cost of new firefighters covered along with up to two set of turnout gear and physicals. Reimbursed once training is completed. \$7500.00



Grant Opportunities

- AFG Grants applied for to obtain \$186,000 in radios
- Nicollet County wide grant for thermal imaging and accountability \$24,810.00
- Compeer and Centerpoint grants looking forward
- Safer Grant for Turnout Gear and Physicals for New Firefighters



Strengths



Well trained staff with wide variety of backgrounds



Ability to train and support members internally



Strong community support with respect for member



Dedication to the Fire Service locally and statewide



Relationships with other local department through training, air truck, mutual aid, chief's and regional associations.

Threats / Future Challenges

Turnover and Retirements, Lack of Applicants Nationwide.

Cost to keep equipment up to date.

Accumulating replacement needs, Trucks, SCBA, Building Maintenance

Training requirements for initial and continued improvement

Supporting members with life challenges and requests for service

Achieved Goals from 2022



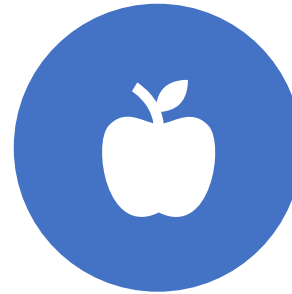
Get closer to 35+ member
to lighten load on group



Increase firefighter hourly
wage to match area



Availability of Technology
for firefighters in trucks
for mapping, checks and
other station tasks



Healthy Members that
enjoy the job!



Questions



Water Meter Installation Options City Council Study Session February 21, 2023

2.21.23



Water Meter Refresher

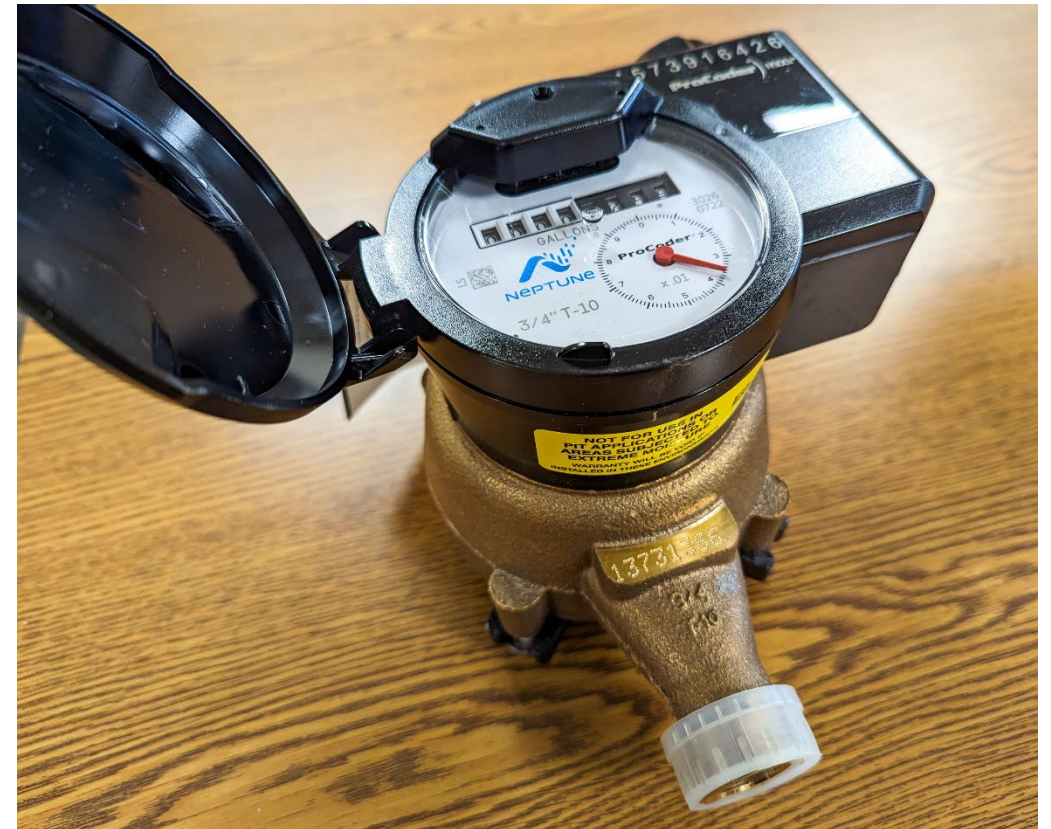
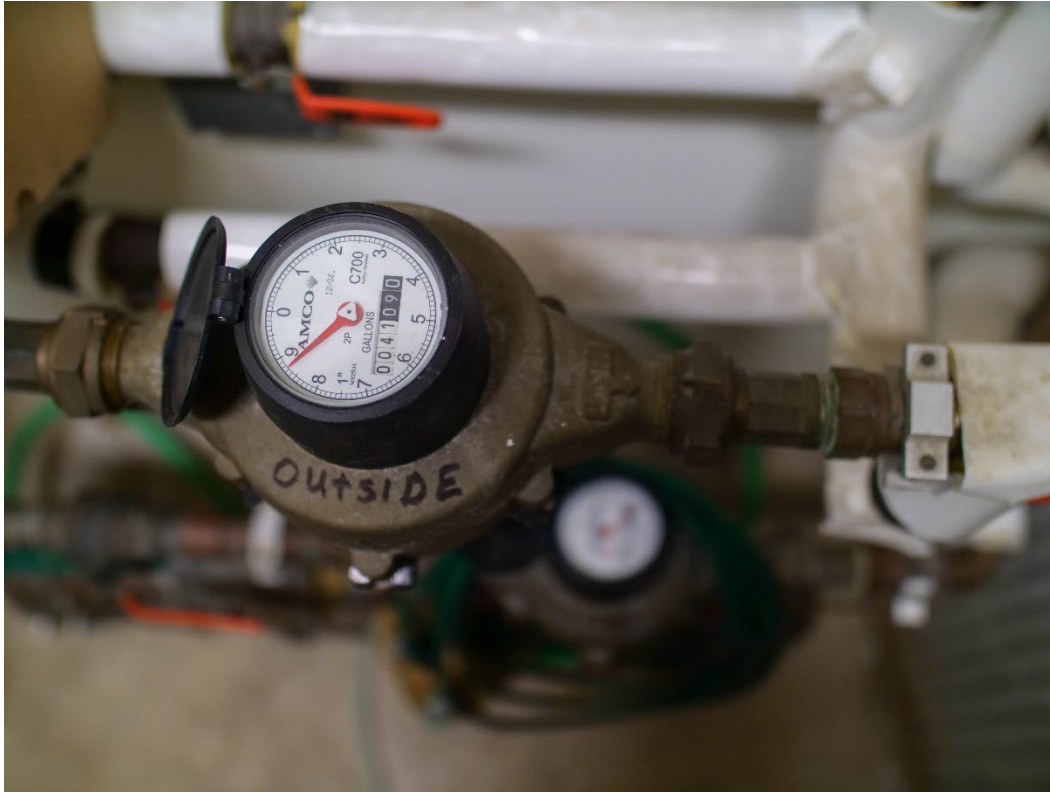
- Purpose
 - Record the amount of water used by a property.
 - Recorded amounts are used to determine monthly bills to users.
 - Meters are the “cash registers” of the water sales system.
- Types
 - Mechanical
 - As water flows through the meter, it mechanically turns a register that accumulates the total gallons through the meter.
 - Very low flows can pass through the meter without providing enough force to turn the mechanical system.
 - Over time the accuracy of the mechanism degrades on average by about 0.34% per year, more for low flow metering.
 - Very long history and well understood reliability.



Water Meter Refresher

- Types (Continued)
 - Ultrasonic
 - High frequency sound passing through the water detects flow velocity, which lets the unit calculate flow rate.
 - No moving parts to wear or fail, so there is no degradation of accuracy.
 - Low flow accuracy is much better than mechanical meters.
 - Batteries in the register will fail and need to be replaced periodically.

Water Meter Comparison





Water Meter Ordinance Discussion Topics

- Already passed an ordinance requiring rental buildings to replace meters.
- New construction is installing new meters.
- Considering an ordinance to add categories to require meter replacement.
 - Install new meters when a building is sold to a new owner.
 - Install new meters when a plumbing permit is approved.
 - Install new meters in properties with 6 months or more with no readings submitted.



Water Meter Ordinance Topics (Continued)

- Our current staff can install approximately 30 meters per month (6-10 per week) without working overtime or neglecting other necessary tasks. We are currently replacing approximately 15-18 per month, so we have an additional 12-15 per month on average available capacity to install meters.
- Install new meters when a building is sold to a new owner.
 - We had approximately 70 new accounts last year that would be affected by this provision.
 - We can accommodate the 4-9 per month we saw last year with our current staff. We can also allow plumbers to do this work.



Water Meter Ordinance Topics (Continued)

- Install new meters when a plumbing permit is approved.
 - We recommend we require the plumber to install all meters and inspect the installation along with the plumbing inspection for the work being done.
 - Plumbing permits are tracked by fixtures, not value, so the ordinance would need to establish the number of fixtures replaced that would trigger a meter replacement.
 - We suggest requiring a meter when any plumbing permit is for 3 fixtures or more, or any kitchen or bath remodel. Those account for approximately 90-95 permits per year. This would be challenging but possible with our current staff, but we may not be able to handle peaks in a timely fashion.



Water Meter Ordinance Topics (Continued)

- Install new meters in properties with 6 months or more without a reading.
 - We currently have approximately 160 Accounts that would be affected by this provision.
 - We suggest council consider hiring a private contractor to do these meter replacements.
 - Getting access to install new meters for these types of accounts is historically difficult. There is typically many of the accounts that have later readings submitted that are also late on payments. Persuading owners who already have large past due amounts to also pay for the new meter and installation will make it more difficult in some cases to accomplish the meter replacement.



Water Meter Installation Proposal

- We suggest Council considers hiring a Contractor to replace the remaining manual read meters.
 - Last year we replaced approximately 3% of the meters, Water Department staff accounted for about 197 and a Contractor completed about 50.
 - We are at approximately 14% of the system replaced, so our own staff will take 16 or more years to replace all the meters at the current rate.
 - The methods to install more meters is as follows:
 - Contracting the work out,
 - hiring additional Limited Term Employees to do the meter replacements, or,
 - requiring owners to pay plumbers to do the replacements instead of Water Department staff.



Water Meter Installation Proposal (Continued)

- Ferguson Waterworks has provided a verbal estimate of \$85 per installation to complete all 6400 remaining meters this year.
- Replacing all the meters immediately will result in an estimated \$135,000 or more in additional revenue per year over the next 10 years, just in meter accuracy benefits.
 - When combined with savings on time spent doing water bills by hand and inflation of the installation cost, delaying the installation of the remaining meters just one year is \$200,000 or more.
- The cost of paying a Contractor to install all the meters would be paid back in additional revenue and staff time savings in approximately 3 years.



Water Meter Ownership Overview

- Currently, building owners own the water meters, and maintain and replace defective or aged meters at the building owner's expense.
 - Cost of purchasing, replacement and maintenance is 100% owner's responsibility at the time it is needed, so no cost to the Water Utility.
 - Typical 5/8" residential meter costs owners \$270 to \$350 to install.
 - Virtually no maintenance done by owners, and requiring replacement needs to be supported by an ordinance spelling out details.
 - No ability to check and calibrate accuracy of meters.
 - Replacing meters can be difficult due to owner reluctance to pay the cost and allow access.



Water Meter Ownership Overview (Continued)

- The most common alternative is for the Water Utility to own the meters.
 - Owner pays for cost of the meter through either the base water rate or a water meter replacement fee on their monthly water bill, so the cost is spread over many years.
 - Periodic maintenance and calibration is done by the Water Utility.
 - Meters are repaired or replaced reliably when they wear out, keeping the overall accuracy of all the meters very high and minimizing lost revenue.
 - Replacing meters for testing or failure is at no additional cost to owners, so the only barrier to replacement in the future is scheduling an appointment.
 - The need to do large scale replacements in the future is mitigated by a continuous 5% per year maintenance program. Each year 5% of the meters are replaced, tested, then repaired or replaced with new meters, as necessary.
 - Water Utility ownership of the meter provides stronger legal rights to enter property to replace meters.



Water Meter Ownership Proposal

- Revise Section 52.07 of the City Code to state that all water meters are owned by the Water Utility.
- Change the water rates to add a water meter replacement fee.
 - This can be included in the base rate, but it is more transparent if the meter replacement fee is separate from the base rate.
 - This also provides a mechanism to fund future meter replacements so there is no need to budget additional funds for large scale meter purchases again in the future.
 - Credit owners the monthly fee for a set period if they have already replaced their meter to “buy back” the meter.
- Water account owners pay a small fee every month rather than a large one-time fee, making it more affordable and convenient for users.
 - Fixed income users may struggle with the increase in monthly bills, but they will typically struggle more with the large cost of replacement.



Where do we go from here?

- Keep private ownership of the meters:
 - Pass the ordinance as presented (or with changes) at the council meeting.
 - Meters are replaced by Water Department staff or a plumber when a new water account is opened for an existing property.
 - Meters are replaced by a plumber when a plumbing permit is applied for.
 - Meters for accounts more than 6 months late with meter readings will be replaced by a Contractor.
 - No additional Council Action needed currently.



Where do we go from here? (Continued)

- Hire a Contractor to complete meter installations:
 - Table the ordinance as presented.
 - Replacements will be handled entirely through the Contractor, so the ordinance is not needed.
 - Owners maintain the right to have a plumber replace the meter at any time instead of using the Contractor.
 - Delinquent accounts will be high priority but will be difficult to schedule. Cost can be added to water bills, possibly including a payment plan.
 - Accept the proposal from Ferguson Waterworks or direct staff to solicit additional proposals for the work.



Where do we go from here? (Continued)

- Elect to transfer ownership of meters to the Water Utility:
 - Table the ordinance as presented.
 - Replacements will be handled entirely through the Contractor, so the ordinance is not needed.
 - Revise Section 52.07 of the City Code to reflect the changes in ownership and allow access to the Water Department employees to replace meters.
 - Accept the proposal from Ferguson Waterworks or direct staff to solicit additional proposals for the work.



Questions?