

# DRAFT IMAGINE 2050 REGIONAL VISION, VALUES, & GOALS

*A CHAPTER OF THE REGIONAL DEVELOPMENT GUIDE, IMAGINE 2050*



**IMAGINE<sup>20</sup><sub>50</sub>**  
the region's plan for an equitable and resilient future

A prosperous, equitable, and resilient region  
with abundant opportunities for all to live,  
work, play, and thrive.

## Regional core values

Equity | Leadership | Accountability | Stewardship

## Regional goals

### **Our region is equitable and inclusive**

Racial inequities and injustices experienced by historically marginalized communities have been eliminated; and all people feel welcome, included, and empowered.

### **Our communities are healthy and safe**

All our region's residents live healthy and rewarding lives with a sense of dignity and well-being.

### **Our region is dynamic and resilient**

Our region meets the opportunities and challenges faced by our communities and economy including issues of choice, access, and affordability.

### **We lead on addressing climate change**

We have mitigated greenhouse gas emissions and have adapted to ensure our communities and systems are resilient to climate impacts.

### **We protect and restore natural systems**

We protect, integrate, and restore natural systems to protect habitat and ensure a high quality of life for the people of our region.



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## Imagining and Planning for an Equitable and Resilient Future

When the Legislature created the Metropolitan Council in the late 1960s, they were inspired by the conditions in the Twin Cities Region to imagine a better, coordinated way forward. We were given the challenge to consider the long-term future of our communities. To effectively apply that long-term lens, we need to be able to imagine what is possible in the future.

These past several years have presented significant challenges, from the pandemic, to economic, to social changes. Our region has experienced new things and seen existing challenges exacerbated. As we look out to 2050 and imagine the region we want to have, we need both the innovation and expectations that live in our imagination. Looking into the future and pairing that with the possibility of providing an equitable and resilient future for generations to come compels us to think creatively about how we get there. This Plan, however, is far from imaginary. It is grounded in the policy and investment directions for the region's future, with objectives to guide our specific work, and policies and actions to implement.

As directed by state law, the Council is responsible for preparing a comprehensive development guide for the seven-county metropolitan area. Imagine 2050 is the shared vision for the future of our region through 2050. While the Met Council is responsible for developing Imagine 2050 and plans for housing and the three statutory regional systems – wastewater, transportation, and regional parks – the vision in Imagine 2050 can only be accomplished through partnerships across the region with residents, local governments, non-profit organizations, businesses, and philanthropic organizations.

Imagine 2050 tackles issues that are greater than any one neighborhood, city, township, or county alone can solve or address to reach the regional vision. Our region has tackled complex challenges in the past. This Plan builds on our region's past planning accomplishments and drives toward the regional vision with a focus on residents of the region, increased partnerships in the region, and integrated planning approaches across the Met Council's responsibilities.

### The Role of Regional Planning

Under state statute, the Met Council is responsible for developing the comprehensive development guide:

The Metropolitan Council shall prepare and adopt, after appropriate study and such public hearings as may be necessary, a comprehensive development guide for the metropolitan area. It shall consist of a compilation of policy statements, goals, standards, programs, and maps prescribing guides for the orderly and economical development, public and private, of the metropolitan area. (Minn. Stat. 473.145)

The Council develops a comprehensive development guide at least once a decade following the updates to the long-term forecasts that follow the decennial Census. Imagine 2050 encompasses the requirements of the comprehensive development guide as well as the policy and system plans. All of these elements were developed in coordination with one another in order to better align the regional planning efforts and realize opportunities to further advance regional goals. State statute defines three metropolitan systems plans:

- Transportation Policy Plan (Minn. Stat. 473.146)
  - The development of the Transportation Policy Plan also is guided by federal transportation planning requirements.
- Water Policy Plan (Minn. Stat. 473.146 and 473.157)

- The Water Policy Plan also includes the Metropolitan Area Water Supply Plan (Minn. Stat. 473.1565)
- Regional Parks and Trails Policy Plan (Minn. Stat. 473.147)

In addition to the three statutory metropolitan systems plans, Imagine 2050 also includes a Housing Policy Plan. The Housing Policy Plan provides an expanded policy framework to inform the Council's review of the housing elements and housing implementation programs of local comprehensive plans required in statute (Minn. Stat. 473.859, subd. 2 and subd. 4) as well as direction for the Council's housing-related programs.

Imagine 2050 assists local governments to create consistent, compatible, and coordinated local comprehensive plans that together advance local visions within the regional policy framework and help ensure efficient and cost-effective regional infrastructure. The Met Council reviews local comprehensive plans based on the requirements of the Metropolitan Land Planning Act, state and federal guidelines referenced in this document, and the policies contained in all chapters of the comprehensive development guide. The Met Council considers each local comprehensive plan's compatibility with the plans of neighboring and affected jurisdictions, consistency with adopted Council policies, and conformance with metropolitan system plans. If the Council finds that a community's local comprehensive plan is more likely than not to have a substantial impact on or contain a substantial departure from metropolitan system plans, the Council can require the community to modify its local plan to assure conformance with the metropolitan system plans (Minn. Stat. 473.175)

### **How Imagine 2050 is organized**

Imagine 2050 describes the region's values and vision for 2050 and the goals, objectives, policies, and actions to achieve it, given the region's existing conditions and emerging trends. Regional goals are broad directional statements that more specifically describe the desired end states for the region. These goals are shared across all policy and system plans included in Imagine 2050 (housing, land use, water, regional parks, and transportation).

Specific to each policy and system plan chapter are objectives, policies, and actions that together advance the shared regional goals and the regional vision. Objectives articulate the achievable results that advance each regional goal. Regional policies are the statements of intent and approach to regional issues or topics, independently and with partners. Policies are implemented through specific actions by the Council and partners.

### **How this plan works and relates to the other plans of the Council**

While the Met Council has developed Imagine 2050 as a consolidated comprehensive development guide inclusive of the systems and policy plans, we recognize that different components of Imagine 2050 are required to be updated more frequently than the decennial planning process and that other amendments may be needed in policy plans from time to time. To that end, chapters of Imagine 2050 (e.g. 2050 Transportation Policy Plan) are intended to be independently updated and amended as required by the applicable state and federal statutes and following the procedures already established for them. Amendments to a chapter do not necessarily require amending the whole of Imagine 2050.

## Landscape of the Region

We are on Dakota Land.

Across nearly 3,000 square miles, centered around the confluence of three major rivers—Mississippi (Ĥaĥáwakpa / Wakpá Thánka), Minnesota (Mnísota Wakpá), and St. Croix (Hoġáŋ Waŋká kiŋ)—live over 3.2 million people who call the Twin Cities region home.<sup>1,2</sup>

We live in diverse landscapes and neighborhoods, from growing suburbs to dense urban centers and small rural towns. We're interconnected with the natural systems that surround us, from the robust biodiversity of large park reserves to front-yard pollinator gardens. We rely on clean waters—above and below ground—to make our lives, neighborhoods, and economy possible. Our regional services like wastewater management, transportation system, a renowned system of parks and trails lay the foundation for a high-quality of life. Comprehensive, coordinated regional planning and policies further integrate them. Regional systems support and benefit from our comparatively strong regional economy, itself underpinned by state and local investments in education, health care, and social services. Put simply, our mid-sized midwestern metro has much to offer the people who live, work, and play here.

### One decade's two eras: how our region changed between 2014 and 2024

#### Momentum gained and lost (2014-2019)

The Twin Cities region had begun a definitive upswing in 2014, following years of economic turmoil resulting from the Great Recession. After bottoming out in 2010, lost jobs had returned: by September 2013, the region surpassed its previous peak employment, thanks in part to key industries of our economy.<sup>3</sup> This period of economic expansion continued until early 2020. In 2012, median household income—for some—began to rise again for the first time since the recession began in 2008.<sup>4</sup> However, heightened poverty and unemployment rates among the region's Black and American Indian populations remained that way, widening already inequities in economic well-being compared with the white population.<sup>5</sup>

Rapid multifamily development led new housing production overall.<sup>6</sup> Most of these new units were built in urban areas, particularly Minneapolis, marking a shift in the region's development patterns – prior to the recession, most new housing was built in suburbs and the developing edge of the region. Though increased housing production was sorely needed after years of standstill, the production of new affordable housing was only a small share of this new housing market activity and well below what was needed to serve our region's current and future low- and moderate-income households.<sup>7</sup> The lack of

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<sup>1</sup> The Decolonial Atlas. (2018). Minneapolis–St. Paul in Dakota and Ojibwe.

<https://decolonialatlas.wordpress.com/2018/01/20/minneapolis-st-paul-in-dakota-and-ojibwe/>

<sup>2</sup> Metropolitan Council. 2023 Population Estimates. 2024. [metro council.org](https://metro council.org)

<sup>3</sup> Metropolitan Council. (2015). *MetroStats: The Economic Competitiveness of the Twin Cities Region*.

<https://metro council.org/Data-and-Maps/Publications-And-Resources/MetroStats/Economy-and-Employment/The-Economic-Competitiveness-of-the-Twin-Cities-Re.aspx>

<sup>4</sup> Metropolitan Council. (2013). *MetroStats: The Twin Cities in 2012: An Uneven Recovery*.

[https://metro council.org/Data-and-Maps/Publications-And-Resources/MetroStats/Economy-and-Employment/An-Uneven-Recovery-\(2012-ACS-analysis\).aspx](https://metro council.org/Data-and-Maps/Publications-And-Resources/MetroStats/Economy-and-Employment/An-Uneven-Recovery-(2012-ACS-analysis).aspx)

<sup>5</sup> Ibid.

<sup>6</sup> Metropolitan Council. (2016). *MetroStats: On the rise: New residential construction in the Twin Cities region*.

<https://metro council.org/getattachment/5e028a41-d82f-43dc-8c1c-e212a0a3b52d/>

<sup>7</sup> Metropolitan Council. (2016). *MetroStats: The Twin Cities Region Produces More Affordable Housing in 2015*.

<https://metro council.org/Data-and-Maps/Publications-And-Resources/MetroStats/Housing/The-Twin-Cities-Produces-More-Affordable-Housing-i.aspx>

new affordable housing production, coupled with development pressures resulting in losses of naturally occurring affordable housing, has been slowly eroding overall housing stability.<sup>8</sup>

Major transit investments, usually decades in the making, hit during this period as well. The METRO A Line, region's first bus rapid transit (BRT) line, opened in 2013, followed by the second light rail line, the METRO Green Line in 2014. Further, the next wave of major investments—extensions of the METRO Blue and Green Lines—secured federal and local approvals, a key step in the process that sparks market interest and attracts new investments. Over 23,000 units of new multifamily housing valued at over \$4 billion was permitted along the region's high frequency transitways between 2014 and 2019.<sup>9</sup>

Not all trends are quantifiable; narrative shifts in the regional conversation hold power too. Between 2012 and 2014, the Met Council completed a federally required fair housing and equity assessment of the Twin Cities region. The report analyzed spatial patterns of race and income, and described how uneven access to different opportunities based on location reinforced our region's large and persistent inequities by race and ethnicity across nearly all dimensions, from poverty to education to homeownership.<sup>10</sup> During the public comment period of Thrive MSP 2040, Met Council was repeatedly called upon to heed the report's findings and use our influence as a regional planning agency to call the region to task on addressing inequities by naming it as a regional outcome—and we did. As equity became part of local comprehensive plans and more deeply embedded into regional planning, policies, and investments, dialogue about equity matured from simply reciting present-day inequities to a more thorough look at root causes and systems.<sup>11</sup>

This momentum—here and everywhere else—was halted in March 2020 when the World Health Organization (WHO) declared an outbreak of a new novel coronavirus (COVID-19) a global pandemic.<sup>12</sup>

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<sup>8</sup> Federal Reserve Bank of Minneapolis. (2023). Waning housing affordability imperils economic growth in Minnesota. <https://www.minneapolisfed.org/article/2023/waning-housing-affordability-imperils-economic-growth-in-minnesota>.

<sup>9</sup> Metro Transit. (2023) Development Trends Along Transit. <https://www.metrotransit.org/Data/Sites/1/media/tod/2023devtrendsalongtransitreport.pdf>.

<sup>10</sup> Metropolitan Council. Choice, Place, and Opportunity: An Equity Assessment of the Twin Cities Region. <https://metro council.org/Planning/Thrive-2040/Choice-Place-and-Opportunity.aspx>.

<sup>11</sup> Metropolitan Council. (2022) Progress on equity commitments in Thrive MSP 2040. <https://metro council.org/Council-Meetings/Committees/Committee-of-the-Whole/2022/04-20-2022/Info-Item-Progress-on-Thrive-Equity-Commitments-Re.aspx>.

<sup>12</sup> World Health Organization. 2020. WHO Director-General's opening remarks at the media briefing on COVID-19. <https://www.who.int/director-general/speeches/detail/who-director-general-s-opening-remarks-at-the-media-briefing-on-covid-19---11-march-2020>



## COVID-19 pandemic upends and reshapes how we live and work (2020-2024)

Public health and peacetime emergencies orders were made at every level of government. Within weeks, stay-at-home mandates were issued, schools and universities closed, and nearly all areas of the U.S. economy shutdown to “flatten the curve” and “stop the spread.”

Job losses were staggering. In February 2020, the region’s economy was strong with just over two million jobs. Two months later, 283,000 fewer jobs were reported, a decline of 14%.<sup>13</sup> The COVID-19 pandemic upended people’s everyday lives and four years later, many remain that way.

The health, economic, and social impacts of the COVID-19 pandemic were extraordinary; that they were largely borne by the region’s vulnerable and marginalized population groups was not. Like previous economic downturns, the pandemic simply made structural inequities across population groups in the Twin Cities region more visible. For example:

To date, nearly 974,000 cases of COVID-19 have been reported in the Twin Cities region and an estimated 8,100 residents have lost their lives from it.<sup>1</sup> American Indian, Black, and Latine communities experienced highest rates of age-adjusted infection and deaths, mirroring already well-established health inequities by race and ethnicity in Minnesota.<sup>1</sup>

- American Indian, Black, and Latine communities experienced higher rates of COVID-19 infection and deaths, mirroring pre-existing racial disparities in overall health and health insurance coverage in Minnesota.<sup>14, 15</sup> People with disabilities, LGBTQAI+ people, and people who lack housing stability or were unhoused also experienced elevated rates of COVID-19 infection relative to their share of the population.<sup>16</sup> Older adults (over age 65) were far more likely to succumb to COVID-19, particularly those in long-term care facilities.<sup>17</sup>
- Workers of color and immigrant workers experienced the highest unemployment rates during the shutdowns. Though federal relief packages and expanded unemployment insurance benefits helped to offset some of the initial economic shock waves—temporarily reducing disparities in lost income by race and ethnicity—immigrant and refugee workers, especially undocumented workers, were not eligible.<sup>18, 19</sup>

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<sup>13</sup> Minnesota Employment and Economic Development. 2022. CES Recovery Comparison – Update. <https://mn.gov/deed/data/current-econ-highlights/compare-recessions.jsp>.

<sup>14</sup> Star Tribune. 2020. As coronavirus spreads in Minnesota, it exposes racial inequalities.

<https://www.startribune.com/as-coronavirus-spreads-in-minnesota-it-exposes-racial-inequalities/569840602/>

<sup>15</sup> Minnesota Compass. 2020. Minnesota’s workers of color and immigrants bear the brunt of COVID-19’s impact.

<https://www.mncompass.org/data-insights/articles/minnesotas-workers-color-and-immigrants-bear-brunt-covid-19s-impact>.

<sup>16</sup> Minnesota Department of Health. 2023. Health Equity and COVID-19.

<https://www.health.state.mn.us/communities/equity/about/covid19.html>.

<sup>17</sup> International Long-Term Care Policy Network. 2021. Impact of COVID-19 on long-term care in Minnesota.

[https://lthccovid.org/wp-content/uploads/2021/09/JLTC\\_MN.pdf](https://lthccovid.org/wp-content/uploads/2021/09/JLTC_MN.pdf).

<sup>18</sup> Metropolitan Council. 2020. COVID-19 Economic Impacts in the Twin Cities. [online]. URL: [metro council.org](https://metro council.org).

<sup>19</sup> The Immigrant Learning Center. 2021. Immigrant Essential Workers During the COVID-19 Pandemic.

<https://www.ilctr.org/wp-content/uploads/2021/12/Immigrant-Essential-Workers-Digital-2.pdf>.

- People with disabilities have benefited from employers' widespread adoption of remote work arrangements, as observed in increased labor force participation in Minnesota.<sup>20</sup> At the same time, more people became disabled because of the pandemic.<sup>21, 22</sup>
- Nationwide, young adults, people who identify as LGBTQAI+, and people with disabilities were more likely to report heightened rates of anxiety and depression compared to pre-pandemic years.<sup>23</sup>

As the COVID-19 pandemic compromised people's lives and livelihoods, it also altered our daily interactions with our region's built and natural systems. These trends were shared across large metros in the U.S. to varying degrees.<sup>24</sup>

People spent more time outdoors for recreation, exercise, social gatherings, and mental health—a trend noted in various regional data. For instance, visits to our Regional Parks and Trails System considerably increased between 2021 and 2022.<sup>25</sup> And, according to the Travel Behavioral Inventory, walking as a mode of transportation was also up across most areas in the region between 2019 and 2021.<sup>26</sup>

Changes in the travel behavior of people and shifts in business' transportation needs have impacted the regional transportation system in various ways. Many workers ended their daily commutes.<sup>27</sup> In 2021, one in every nine of the region's 2.8 million workers worked from home, a share that is largely consistent across the region's seven counties.<sup>28</sup> Once thought to be temporary, remote and hybrid work arrangements are shaping up to be a permanent feature of the post-COVID economy.<sup>29</sup> For example, with less demand for trips to and from workplaces, the region's public transit experienced significant losses in ridership: in 2021 region-wide transit ridership was about 42% of 2019

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<sup>20</sup> University of Minnesota. 2022. Disability, employment, and COVID. <https://news.d.umn.edu/articles/disability-awareness-2022>.

<sup>21</sup> Metropolitan Council. 2017. Understanding Disparities by Ability Status in the Twin Cities Region. <https://metrocouncil.org/Data-and-Maps/Publications-And-Resources/MetroStats/Census-and-Population/Understanding-Disabilities-by-Ability-Status-in-th.aspx>.

<sup>22</sup> Minnesota Department of Employment and Economic Development. 2023. The Labor Force Experience of Minnesotans with Disabilities. <https://mn.gov/deed/newscenter/publications/trends/september-2023/disability.jsp>.

<sup>23</sup> National Center for Health Statistics. 2024. Anxiety and Depression. <https://www.cdc.gov/nchs/covid19/pulse/mental-health.htm>.

<sup>24</sup> The Brookings Institution. 2022. Which metro areas have fared better in the COVID-19 rebound? <https://www.brookings.edu/articles/which-metro-areas-have-fared-better-in-the-covid-19-rebound/>.

<sup>25</sup> Metropolitan Council. 2023. Visits to the Regional Parks and Trails System in 2023. <https://metrocouncil.org/Parks/Publications-And-Resources/PARK-USE-REPORTS/Annual-Use-Estimates/2023-Visits-to-the-Regional-Parks-and-Trails-System.aspx>.

<sup>26</sup> Metropolitan Council. 2023. Transportation System Performance Evaluation. [https://metrocouncil.org/METC/media/TSPE/03-02\\_increase\\_number\\_share\\_multimodal.html#travel-by-mode](https://metrocouncil.org/METC/media/TSPE/03-02_increase_number_share_multimodal.html#travel-by-mode).

<sup>27</sup> Ibid..

<sup>28</sup> Minnesota Department of Employment and Economic Development. 2023. Working from Home is Working. <https://mn.gov/deed/newscenter/publications/trends/march-2023/work-home.jsp>.

<sup>29</sup> Federal Reserve Bank of Minneapolis. 2024. Hybrid or fully remote: How is working-from-home evolving in the Ninth District? <https://www.minneapolisfed.org/article/2024/hybrid-or-fully-remote-how-is-work-from-home-evolving-in-the-ninth-district>.

ridership.<sup>30,31</sup> Even with less vehicle travel overall, traffic fatalities and serious injury crash rates in the Twin Cities metro increased in 2020 and 2021.<sup>32</sup>

Housing choices expanded for some households but narrowed for many during the pandemic. Lost and reduced income exacerbated housing instability, especially for renters, who already had high rates of housing cost burden. Federal, state, and local authorities enacted protections such as eviction and foreclosure moratoriums, emergency rental assistance, and mortgage forbearance and loan modification programs to prevent widespread housing losses during the pandemic's peak.<sup>33</sup> Research suggest effectiveness of these programs was mixed, however.<sup>34,35,36</sup> Further, most housing protections ended sometime in 2021, despite only partial economic recovery and the still-high prevalence of COVID-19.<sup>37</sup> In contrast, more financially secure households took advantage of historically low mortgage interest rates in 2020-21 to better align their housing situation with their household's needs and preferences.<sup>38</sup>

Thirty-eight months after COVID-19 was declared pandemic the federal public health emergency expired—a new beginning that somehow also lacked a conclusive end. The first two years of the post-pandemic recovery (2023 and 2024) have ushered in new headwinds across US metro areas including the tightening labor markets due to workforce shortages; rising consumer costs, especially in housing; high vacancy rates and property value losses in office and commercial spaces, particularly in urban downtowns.<sup>39</sup> While the challenges may not be unique, each metro area's competitive advantages and limitations will inform their response and successes to overcoming these emergent issues.

## Social and environmental, our environment is changing

### Our region's reckoning with racism

The COVID-19 pandemic was both an unprecedented event and a real-time case study of structural inequities in the US health care system, economy, housing markets, and immigration systems. The disproportionately negative outcomes of the pandemic for low-income people, Black people, American

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<sup>30</sup> Metropolitan Council. 2023. Transportation System Performance Evaluation.

[https://metro council.org/METC/media/TSPE/03-02\\_increase\\_number\\_share\\_multimodal.html#transit-ridership](https://metro council.org/METC/media/TSPE/03-02_increase_number_share_multimodal.html#transit-ridership).

<sup>31</sup> Metro Transit. 2024. Metro Transit Ridership. <https://www.metrotransit.org/performance>.

<sup>32</sup> Metropolitan Council. 2023. Transportation System Performance Evaluation.

[https://metro council.org/METC/media/TSPE/02-02\\_reduce\\_fatalities\\_injuries.html#traffic-fatalities-and-injuries](https://metro council.org/METC/media/TSPE/02-02_reduce_fatalities_injuries.html#traffic-fatalities-and-injuries).

<sup>33</sup> Minnesota Housing Partnership. (2024, May 23). *COVID 19 and housing*. <https://mhponline.org/covid-19-and-housing/>

<sup>34</sup> Center for Urban and Regional Affairs (CURA). (2022, December 14). *The impact of the COVID-19 eviction moratorium on Landlord-Initiated Displacement Actions in Minnesota*. <https://www.cura.umn.edu/research/impact-covid-19-eviction-moratorium-landlord-initiated-displacement-actions-minnesota>

<sup>35</sup> Hepburn, P., Haas, J., Graetz, N., Louis, R., Rutan, D. Q., Alexander, A. K., Rangel, J., Jin, O., Benfer, E., & Desmond, M. (2023). Protecting the Most Vulnerable: Policy Response and Eviction Filing Patterns During the COVID-19 Pandemic. *RSF*, 9(3), 186–207. <https://doi.org/10.7758/rsf.2023.9.3.08>

<sup>36</sup> Norton, G., & Glidden, E. (2023). *Emergency rental assistance during the COVID-19 pandemic: findings and recommendations for preventing evictions and rental arrears*. Minnesota Housing Partnership. [https://mhponline.org/wp-content/uploads/ERA\\_Report\\_V6\\_06.15.23.pdf](https://mhponline.org/wp-content/uploads/ERA_Report_V6_06.15.23.pdf)

<sup>37</sup> Center for Urban and Regional Affairs (CURA). (2022b, December 14). *The impact of the COVID-19 eviction moratorium on Landlord-Initiated Displacement actions in Minnesota*. <https://www.cura.umn.edu/research/impact-covid-19-eviction-moratorium-landlord-initiated-displacement-actions-minnesota>

<sup>38</sup> Minneapolis Area Realtors. (2021). *Annual housing market report - Twin Cities Metro*.

<https://maar.stats.10kresearch.com/docs/ann/2021/x/report?src=page>

<sup>39</sup> *COVID-19 Metro Recovery Watch*. (2023, May 15). Brookings. <https://www.brookings.edu/collection/metro-recovery-watch/>

Indians, people of color, people with disabilities, and immigrants and refugees in our region occurred precisely because the inequities pre-dated the crisis. These inequities, particularly by race and ethnicity, are—and have always been—our region’s most malignant pre-existing condition (Table 1).

Table 1. MSP Metro Inequities by race and ethnicity, measures and rankings among peer metros

Share of employed population	2000	2010	2014	2022	Rank of inequity (1= largest among peer metros)		
					2014	2022	Trend
American Indian or Indigenous	63.6%	57.0%	58.7%	72.4%	2	1	Worse
Asian or Pacific Islander	65.2%	74.3%	77.6%	83.6%	2	3	Better
Black	65.0%	63.8%	69.0%	73.6%	2	1	Worse
Hispanic or Latine	68.5%	76.3%	78.3%	82.6%	2	5	Better
white	82.6%	80.3%	83.9%	85.6%	NA	NA	NA
<b>Poverty rate</b>							
American Indian or Indigenous	22.5%	30.9%	25.6%	25.6%	2	3	Better
Asian or Pacific Islander	19.1%	18.1%	13.8%	11.8%	1	1	Same
Black	26.2%	35.9%	35.1%	23.4%	1	1	Same
Hispanic or Latine	17.8%	21.9%	21.1%	16.1%	3	1	Worse
white	4.1%	6.9%	6.4%	5.7%	NA	NA	NA
<b>Homeownership rate</b>							
American Indian or Indigenous	42.3%	44.2%	45.3%	37.3%	2	3	Better
Asian or Pacific Islander	53.7%	57.3%	59.1%	65.3%	1	1	Same
Black	32.1%	24.6%	24.4%	30.6%	1	1	Same
Hispanic or Latine	40.9%	40.9%	40.0%	50.1%	3	1	Worse
white	76.4%	77.2%	76.0%	76.7%	NA	NA	NA
<b>Share of renters that are cost-burdened</b>							
American Indian or Indigenous	36.6%	56.7%	55.5%	56.4%	9	3	Worse
Asian or Pacific Islander	31.5%	39.6%	40.8%	40.4%	5	7	Better
Black	46.9%	65.3%	56.1%	55.6%	5	9	Better
Hispanic or Latine	37.2%	44.3%	60.1%	56.6%	2	2	Same
white	35.7%	47.1%	42.8%	46.0%	NA	NA	NA

Source: Metropolitan Council analysis of US Census Bureau’s American Community Survey (ACS) One-Year Estimates, Public Use Microdata (ACS PUMS). Metropolitan statistical areas are defined by the US Office of Management and Budget. Peer metros are defined by Greater MSP.

Seventy-five days after COVID-19 was declared a global pandemic, the Twin Cities became the painful epicenter of civil unrest and global outrage ignited by the murder of George Floyd, a Black resident of St. Louis Park, at the hands Minneapolis police officers. Mr. Floyd’s murder became a watershed moment of ‘racial reckoning’ across the U.S. Within 24 hours, thousands gathered in Minneapolis to protest police brutality and racism against Black people. Within 72 hours, civil unrest in Minneapolis and Saint Paul resulted in \$500 million in property damages, hundreds of arrests, and two more deaths.<sup>40</sup> Within two weeks, protests against police brutality and anti-black racism generally were held across all

<sup>40</sup> Kaul, G. (2024, February 6). *Seven days in Minneapolis: a timeline of what we know about the death of George Floyd and its aftermath*. MinnPost. <https://www.minnpost.com/metro/2020/05/what-we-know-about-the-events-surrounding-george-floyds-death-and-its-aftermath-a-timeline/>



50 US states and in 60 countries worldwide. Police violence against communities of color occurs regularly in this country.<sup>41</sup> However, it was the throughline between this senseless loss of life and our region's singularly large inequities by race and ethnicity, particularly between Black and white residents, that made the Twin Cities region *the* national example of systemic racism in 2020.<sup>42</sup>

Systemic racism as seen in high-level data is important, however it can make an obvious and perhaps harder truth more abstract: discrimination is experienced by people of color and immigrants in their daily lives. And the result is harm.

According to a 2021 statewide survey about experiences with discrimination, 64% of American Indians and 60% of Black adults surveyed said have been called a racial or ethnic slur by someone in Minnesota.<sup>43</sup> The same was true for 53% of Hmong and 49% of Latine respondents. Nearly half of adult children of immigrants (49%) also reported this experience. Other findings from the study reveal high rates of perceived and experienced discrimination in employment, policing, and housing that vary across racial or ethnic group but that are consistently high for the Black adults and American Indians surveyed.<sup>44</sup>

The pandemic unleashed a new wave of hateful anti-Asian harassment and physical intimidation; incidences in Woodbury, Rochester, Shakopee, and Minneapolis were reported by local media, though likely underreported with police departments.<sup>45,46</sup> Where limited data was available, it reflected increases hate crimes and hate speech toward Asian communities in Minnesota.<sup>47,48</sup> Culturally-specific organizations created campaigns to raise awareness of the prevalence of violence directed at Asian communities and developed safety programs while "systems" largely failed.

What will endure from this period of 'reckoning' remains to be seen.<sup>49</sup> Eight Black men have been killed by police officers since George Floyd's murder; but Minneapolis police are now under a federally consent decree. Post-pandemic health and economic data do not show meaningfully better outcomes

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<sup>41</sup> Staff, W. P. (2022, December 5). Police shootings database 2015-2024: Search by race, age, department. *Washington Post*. <https://www.washingtonpost.com/graphics/investigations/police-shootings-database/>

<sup>43</sup> Clary, A. (2021, October 20). Minnesotans' experiences of discrimination. *APM Research Lab*. <https://www.apmresearchlab.org/mdc-survey/discrimination#racial-slurs>

<sup>44</sup> Clary, B., & Helmstetter, C. (2021). Minnesota's Diverse Communities Survey: Perceptions of- and Experiences with- Discrimination. In *Minnesota's Diverse Communities Survey*. APM Research Lab. [https://static1.squarespace.com/static/5c9542c8840b163998cf4804/t/616f3590fadcb74d778ea64d/1634678166289/MDC\\_Lab\\_Discrimination.pdf](https://static1.squarespace.com/static/5c9542c8840b163998cf4804/t/616f3590fadcb74d778ea64d/1634678166289/MDC_Lab_Discrimination.pdf)

<sup>45</sup> Pan, H. J. (2021, June 9). *Asian Minnesotans say discrimination is on the rise, push to make prosecuting hate crimes easier*. Minnesota Reformer. <https://minnesotareformer.com/2021/06/07/asian-minnesotans-say-discrimination-is-on-the-rise-legislature-unresponsive/>

<sup>46</sup> Callaghan, P. (2024, February 8). Anti-Asian bias spurs renewed effort to update Minnesota's hate crime law. *MinnPost*. <https://www.minnpost.com/state-government/2023/02/anti-asian-bias-spurs-renewed-effort-to-update-minnesotas-hate-crime-law/#:~:text=An%20increase%20in%20verbal%20and,DFL%20lawmakers%20for%20three%20years.>

<sup>47</sup> *FBI releases updated 2020 hate crime statistics*. (2021, October 25). <https://www.fbi.gov/news/press-releases/fbi-releases-updated-2020-hate-crime-statistics>

<sup>48</sup> Zhang, L., Lee, E., & Kim, E. (2021, March). *IMMIGRANTS IN COVID AMERICA - Xenophobia & Racism*. <https://immigrantcovid.umn.edu/xenophobia-racism>

<sup>49</sup> Keefer, W., & Ibrahim, M. (2024, May 25). Lessons unlearned: Four years after George Floyd's killing and the subsequent uprisings, some promises remain unfulfilled. *MinnPost*. <https://www.minnpost.com/metro/2024/05/lessons-unlearned-four-years-after-george-floyds-killing-and-the-subsequent-uprisings-some-promises-remain-unfulfilled/>

for Black people; but black-owned businesses are increasing.<sup>50</sup> Evictions, which disproportionately impact Black mothers, are back up to 2019 levels.<sup>51</sup> Patterns of historical injustices require a movement, not a moment, to change.

### **We live in a warming, wetter region**

Evidence of climate change clearly exists within our region today, and climate impacts are expected to increase and intensify. According to a 2022 survey conducted by the University of Minnesota, 76% of Minnesotans are concerned about climate change, especially youth and young adults.<sup>52</sup> The recent summer days filled with wildfire smoke (2021) and a virtually snow- and ice-free winter (2023) are harder to ignore than slower moving trends but regional data show that we are already experiencing climate hazards and the human and economic costs associated with these changes.

Temperatures are rising, warming our winters and adding more days of extreme heat and drought events. Between 1895 and 2023, the region warmed 2.5 degrees F.<sup>53</sup> The average daily minimum winter temperatures have increased 4 degrees F and six of the ten warmest winters have occurred since 2000 (Figure 1a).<sup>54</sup> With warmer winter temperatures comes more freeze/thaw cycles, which can be hard on roads and other infrastructure. More frequent freeze/thaw cycles increase the use of deicing salt, adding additional strain to storm and wastewater infrastructure and contamination to groundwater and surface water.<sup>55</sup> Warming isn't limited to winters: our region has experienced eight days of heat over 100 degrees F since 1990, with projections of more days dangerously high temperatures in the next 50 years.<sup>56,57</sup> Extreme heat is dangerous to people and natural systems and has economic ripple effects as it makes outdoor work unsafe and damages infrastructure over time.

Since 1895, average annual precipitation in the Twin Cities Region has increased by 4.7 inches (Figure 1b).<sup>58</sup> More recently, the region experienced the equivalent of seven years of rainfall between 2014 and

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<sup>50</sup> Minnesota Department of Employment and Economic Development. (2023). *Black Minnesotans: An analysis of employment, educational and other economic trends and disparities related to the labor force*. [https://mn.gov/deed/assets/black-african-american-data-report-acc\\_tcm1045-539222.pdf](https://mn.gov/deed/assets/black-african-american-data-report-acc_tcm1045-539222.pdf)

<sup>51</sup> *Minneapolis–Saint Paul, Minnesota | Eviction Tracking System*. (n.d.). Eviction Lab | Princeton University. <https://evictionlab.org/eviction-tracking/minneapolis-saint-paul-mn/>

<sup>52</sup> College of Food, Agricultural and Natural Resource Sciences. (2022, October 3). *CFANS Insights survey shows that 76 percent of Minnesotans are concerned about climate change*. University of Minnesota.

<https://cfans.umn.edu/news/climate-change-survey#:~:text=about%20climate%20change-,CFANS%20Insights%20survey%20shows%20that%2076%20percent,are%20concerned%20about%20climate%20change&text=Minnesota's%20new%20Climate%20Action%20Framework,people%20living%20in%20the%20state>.

<sup>53</sup> Minnesota Department of Natural Resources. (2024). *Minneapolis/St. Paul Climate Data: Historical climate data listings*. [https://www.dnr.state.mn.us/climate/twin\\_cities/listings.html](https://www.dnr.state.mn.us/climate/twin_cities/listings.html)

<sup>54</sup> Metropolitan Council. (2023). *Water and climate change: Impacts on water and water utilities in the Twin Cities Metropolitan Area*. <https://metro council.org/Wastewater-Water/Planning/2050-Water-Policy-Plan/Research/Water-and-Climate-Change/Water-and-Climate-Change-Research-Paper.aspx>

<sup>55</sup> Ceylan, H. (2022). Effects of warmer Minnesota winters on freeze-thaw cycles. Institute for Transportation, Iowa State University. <https://www.dot.state.mn.us/research/reports/2022/202204.pdf>

<sup>56</sup> Minnesota Department of Natural Resources. (2023, August 31). *A History of 100 Degrees in the Twin Cities*. <https://www.dnr.state.mn.us/climate/journal/100degreesmsp.html>

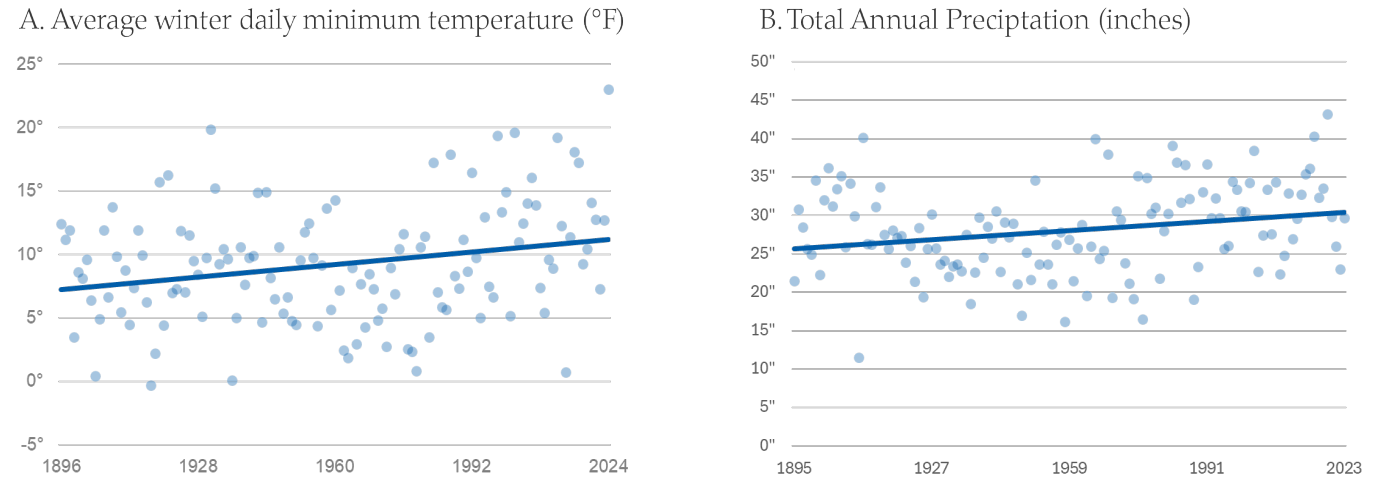
<sup>57</sup> Bradley, R., Karmalkar, A., Woods, K., & Climate System Research Center (CSRC). (2015). How will global warming of 2°C affect Minnesota? Observed and projected changes in climate and their impacts. In *Climate and Health Assessment*. University of Massachusetts Amherst.

[https://www.geo.umass.edu/climate/stateClimateReports/MN\\_ClimateReport\\_CSRC.pdf](https://www.geo.umass.edu/climate/stateClimateReports/MN_ClimateReport_CSRC.pdf)

<sup>58</sup> Minnesota Department of Natural Resources. (2024). *Minneapolis/St. Paul Climate Data: Historical climate data listings*. [https://www.dnr.state.mn.us/climate/twin\\_cities/listings.html](https://www.dnr.state.mn.us/climate/twin_cities/listings.html)

2019, a five-year period. Long-term observations have shown a dramatic increase in major rainstorms in Minnesota and are projected to keep increasing.<sup>59</sup> Major rainstorms—including extreme flooding events—overflow surface waters (such as lakes and rivers), then oversaturate soil to the point it cannot absorb additional water and the region’s stormwater systems cannot keep up.<sup>60</sup> Flooding poses a further threat to the region’s waters, as pollutants from the surface may either runoff into our waterways or concentrate and contaminate shallow drinking water supplies.

**Figure 1. Trends in winter temperatures and precipitation for the Twin Cities region**



Source: Metropolitan Council analysis of NOAA Regional Climate Center Data.

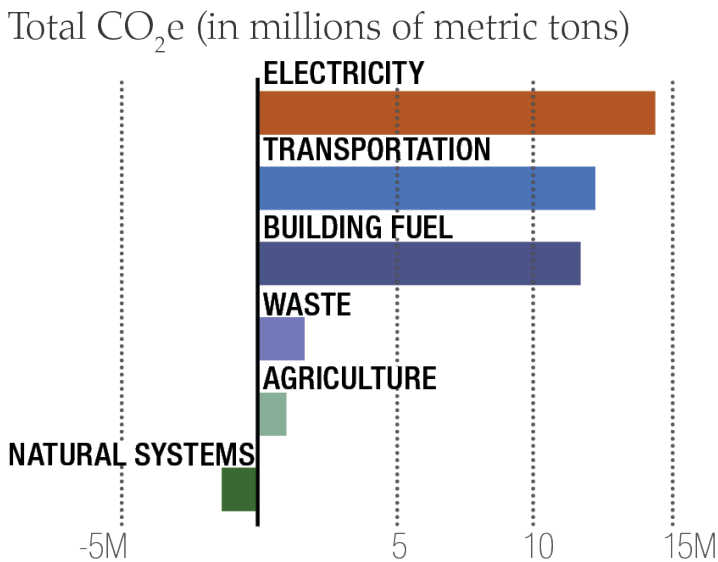
Human activities have accelerated the levels of greenhouse gases in the Earth’s atmosphere, which drives climate change. In 2021, the seven-county region was responsible for approximately 30% of the state of Minnesota’s total greenhouse gas emissions and over half (56%) of the state’s population.

The region’s greenhouse gas emissions come from diverse sources, ranging from powering our workplaces, to heating our homes, to driving vehicles (Figure 2). Healthy natural systems can offset emissions through carbon sequestration and stocks.

<sup>59</sup> Minnesota Department of Natural Resources. (2024). *Climate trends*. [https://www.dnr.state.mn.us/climate/climate\\_change\\_info/climate-trends.html#:~:text=Since%202000%2C%20Minnesota%20has%20seen,continue%20increasing%20into%20the%20future](https://www.dnr.state.mn.us/climate/climate_change_info/climate-trends.html#:~:text=Since%202000%2C%20Minnesota%20has%20seen,continue%20increasing%20into%20the%20future).

<sup>60</sup> Metropolitan Council. (2023). *Water and climate change: Impacts on water and water utilities in the Twin Cities Metropolitan Area*. <https://metro council.org/Wastewater-Water/Planning/2050-Water-Policy-Plan/Research/Water-and-Climate-Change/Water-and-Climate-Change-Research-Paper.aspx>

Figure 2. Sources of greenhouse gas emissions by category for the Twin Cities region, 2021



Source: Metropolitan Council analysis of state, federal, and scientific sources of sector data

The impacts of climate change will not affect the people of our region, our built and natural systems, or areas of our economy equally. The regional goals and policy areas of Imagine 2050 describe this in more detail.

### The people of our region

Indigenous people are the first people of this country. The land we all occupy in the seven-county Twin Cities region is historic Dakota land. More than 10,000 years before European and British North, the Dakota had developed an extensive communal society and held deep connections to the land and waters, which remain sacred sites and areas of significance today.<sup>61</sup> The Dakota—and Ojibwe, who later migrated to the region and built alliances with the Dakota before external pressures created conflict—faced violent removal and genocide at the hands of early European settlers in the 1800s.<sup>62</sup> The US government continued the physical displacement of American Indians and advanced their cultural erosion through broken treaties and policies of assimilation through the end of the century. Despite these gross injustices, 72,000 American Indians live the Twin Cities region today.<sup>63</sup>

### Immigrants drove region’s early population growth—and will again

The same policies that forcibly removed American Indian populations created pathways for white immigrants to claim their lands.<sup>64</sup> First British, then Swedish, Norwegian, and German immigrants arrived followed by Jewish, Italian, and Irish people. By the 1890s, nearly half (40%) of the state’s

<sup>61</sup> Minnesota Humanities Center. (2023, July 11). *Native Nations of Minnesota - Minnesota Humanities Center*. <https://www.mnhum.org/program/native-nations-of-minnesota/>

<sup>62</sup> *The U.S.-Dakota war of 1862*. (n.d.). The U.S.-Dakota War of 1862. <https://www.usdakotawar.org/>

<sup>63</sup> U.S. Census Bureau, 2020. Demographic and Housing Characteristic Summary File 1. URL: [data.census.gov](https://data.census.gov). This number is rounded to the nearest 1,000 and reflects people who identified with this group regardless of whether they also identified with other groups, though knowledge within the American Indian community suggest this is an undercount.

<sup>64</sup> Homestead Act, et al

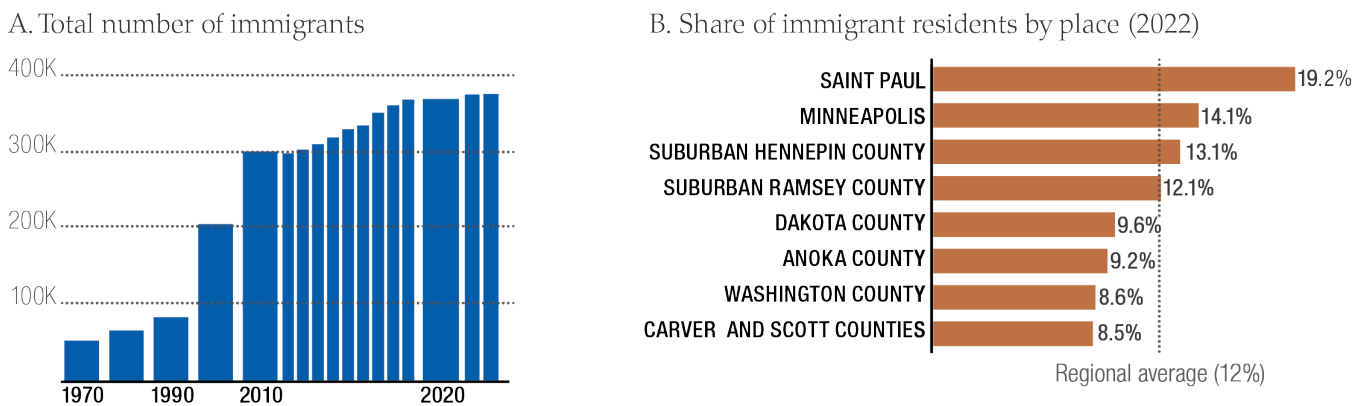


population were (predominately white) foreign-born immigrants, a much higher share than the US overall at that point in history.<sup>65</sup>

The 20th and 21st centuries brought more racially diverse immigrants to the state and region. Chinese Americans and immigrants began moving to Minnesota as an alternative to growing hostilities on the West Coast. Fifty years later, 350 Japanese Americans, who had been forced into concentration camps established by the US government at the start of World War II were resettled in Saint Paul.<sup>66</sup> Southeast Asian refugees, including Hmong, Laotian, Vietnamese, and Korean people, began arriving in the mid-1970s, fleeing increasing political instability and war.<sup>67</sup> During this period, Mexican immigrants came to the Saint Paul's east and west side neighborhoods seeking economic opportunities created by labor force shortages; when these jobs dried up, some were targeted for deportation. In the 1990s, Somali refugees and immigrants established a large community in the Cedar-Riverside neighborhood of Minneapolis.<sup>68</sup> Every immigrant group has contributed to the vibrant cultural fabric of our region.

Immigration will continue to play an important role in future population and economic growth. Today over 377,000 immigrants live in the Twin Cities region, which is about one in every eight residents (Figure 3). The largest immigration wave occurred in the 1990s, with just under 121,000 immigrants gained regionwide (Figure 3a). The pace of immigration slowed down in the 2000s, and again in the 2010s, though immigration growth rates still outpaced overall population growth in those periods. In the 2020s, the region's immigration and population growth rates are equal so far at 2%. The city of Saint Paul has the highest share of immigrants relative to their population, closely followed by Minneapolis, and suburban Hennepin and Ramsey counties (Figure 3b).

**Figure 3. The number of immigrants has increased considerably since the 1970s and immigrants now live across the region**



Source: IPUMS NHGIS, University of Minnesota, [www.nhgis.org](http://www.nhgis.org) (1970, 1980); US Census Bureau, Decennial Census SF1/SF3 (1990, 2000); US Census Bureau, American Community Survey, five-year estimates (2011-2022).

Immigration will continue to play an important role in future population and economic growth. The region is expected to add approximately 311,000 immigrants between 2020 and 2050, mostly in the

<sup>65</sup> Ratsabout, Saengmany. (2022). "Immigrants and Refugees in Minnesota: Connecting Past and Present." MNopedia, Minnesota Historical Society. <http://www.mnopedia.org/immigrants-and-refugees-minnesota-connecting-past-and-present>

<sup>66</sup> Hanson, Krista. (2020) "St. Paul Resettlement Committee." MNopedia, Minnesota Historical Society. <http://www.mnopedia.org/group/st-paul-resettlement-committee>

<sup>67</sup> Lee, Mai Na M. (2021). "Hmong and Hmong Americans in Minnesota." MNopedia, Minnesota Historical Society. <http://www.mnopedia.org/hmong-and-hmong-americans-minnesota>

<sup>68</sup> Wilhide, Anduin. (2021). "Somali and Somali American Experiences in Minnesota." MNopedia, Minnesota Historical Society. <http://www.mnopedia.org/somali-and-somali-american-experiences-minnesota>

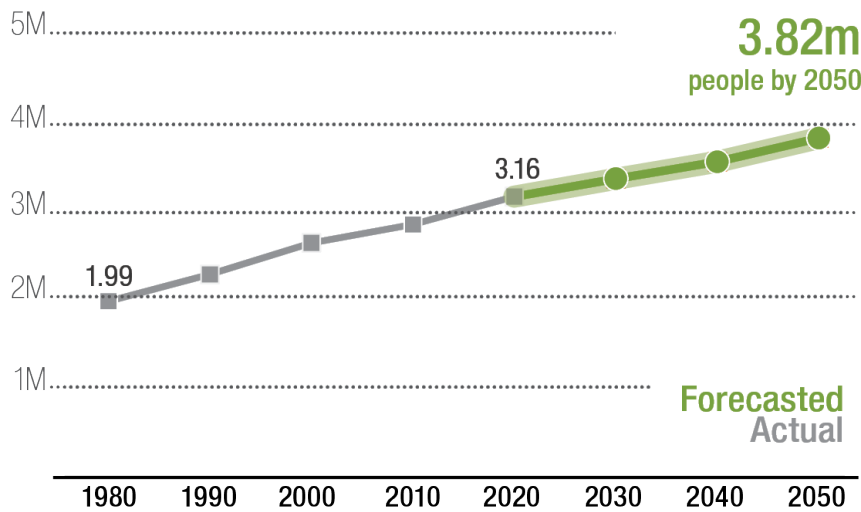
2030s (+107,000) and 2040s (+111,000).<sup>69</sup> In fact, immigration alone will account for nearly half (47%) of the region’s forecasted population growth to 2050.

**Our population will grow and demographically transform by 2050**

Today, the seven-county Twin Cities region is home to 3.2 million residents.<sup>70</sup> The region’s population growth over since 1990 was robust at 38%, outpacing the state of Minnesota (30%) and the US (33%) over the same period (Figure 4). There is more population growth to come over the next 30 years: Met Council’s regional forecast shows a gain of 657,000 residents by 2050, an increase of 20.8%.

Regional population growth is the result of natural growth (that is, more births than deaths) and net migration (more people move to the region than leave). Natural growth will account for just over half (52%) of the region’s forecasted population to 2050.<sup>71</sup> However, more people will leave the region than arrive from other parts in the state or US in the 2020s and 2030s. This trend will reverse in the 2040s but not enough to substantially overcome the earlier losses.<sup>72</sup> Without immigration levels like the 2000s (at least) growth will stagnate.

**Figure 4. Population in the Twin Cities region forecasted to 2050**



Source: Metropolitan Council regional forecast (April 2023).

Future population growth will take place across the region. Met Council uses a real estate market simulation and travel demand model to forecast where this growth occurs at the local level.<sup>73</sup> Mainly, forecasts consider location characteristics and amenities, economic growth, travel patterns, and access to destinations. Preliminary local forecasts were prepared in January 2024 and are currently under review by local governments; final local forecasts will be adopted with Imagine 2050 in 2025.

Growth will occur in all areas of the region (Figure 5A). The region’s urban communities will gain the most residents between 2020 and 2050 (+182,000), followed by urban edge (+175,000) and suburban

<sup>69</sup> Metropolitan Council. (2023). *Population and employment in the Twin Cities region in 2050*. <https://metro council.org/Data-and-Maps/Publications-And-Resources/MetroStats/Land-Use-and-Development/The-Regional-Forecast-Update-2023.aspx>

<sup>70</sup> Metropolitan Council, 2023 Population Estimates (Preliminary), May 2024.

<sup>71</sup> Ibid.

<sup>72</sup> Ibid.

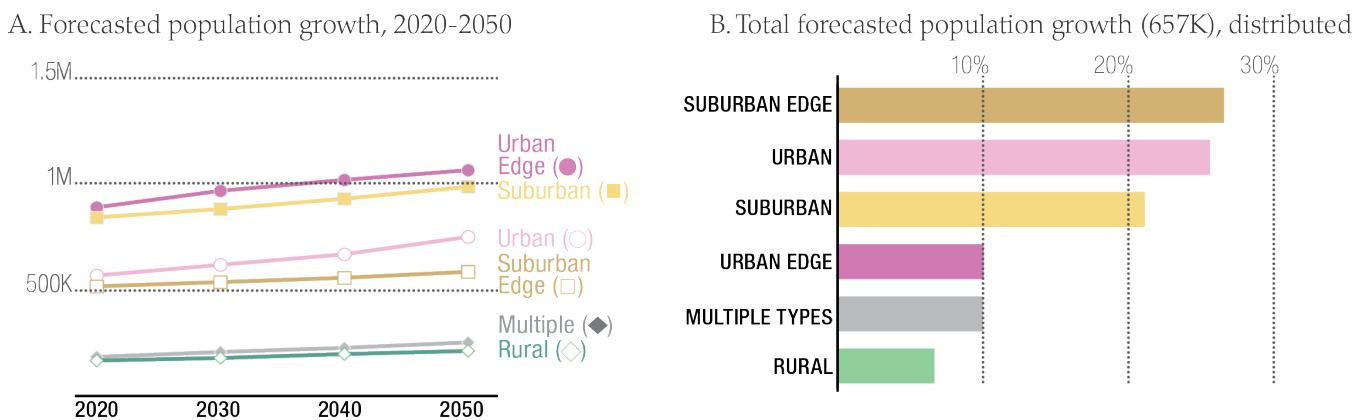
<sup>73</sup> Metropolitan Council. (2023). *Forecast methodology*. [https://metro council.org/Data-and-Maps/Publications-And-Resources/Files-and-reports/Forecast-Methodology-Report-\(2023\).aspx](https://metro council.org/Data-and-Maps/Publications-And-Resources/Files-and-reports/Forecast-Methodology-Report-(2023).aspx)

communities (+144,000), as observed in Figure 5A. However, if we consider growth rates relative to 2020 population size, the region’s suburban edge/rural communities top the list at 37.2%, followed by suburban edge (+32.1%) and rural communities (+27.2%)

We can also think about the additional 657,000 residents the region will gain between 2020 and 2050 and how they will be distributed across the region. In this case, suburban edge and urban communities have a similar slice of the growth at 26.6% and 25.6%, respectively, closely followed suburban communities (21.1%) (Figure 5B). Urban edge and suburban edge/rural communities each have a 10% share of that growth, and rural areas have 6.6%.

The current preliminary local forecasts show Minneapolis, Saint Paul, Shakopee, Minnetonka, Maple Grove as the five cities gaining the most residents between 2020 and 2050.<sup>74</sup> For the most part, the region’s top ten largest cities in 2020 remain so in 2050, with minor shuffling.

**Figure 5. Forecasted population growth by Imagine 2050 Community Designations**



Source: Metropolitan Council preliminary local forecasts (January 2024). “Multiple types” refers to communities have areas with both suburban edge and various rural designations (see Community Designations in Land Use Policy draft for more description on what those designations are and the places they describe.)

**Today, our region is the most racially diverse we’ve ever been—and the least we’ll ever be**

As of 2020, 31% of the region’s population are Black, American Indian, and people of color—up nearly four times their share in 1990 (8.4%).<sup>75</sup> People who identify as multiracial had the highest relative growth between 1990 and 2020, followed by Latine people (+517%), Asian people (+304%) and Black people (+268%).<sup>76</sup> The region’s white population increased 3.8% over this period, trailing American Indians at 5.3%. White residents remained the largest overall share of the population at 68.8% in 2020. Worth noting is that increasing racial diversity is happening everywhere in our region.

Though federally defined race and ethnic groups can be useful for tracking trends, they neither reflect the full diversity, lived experiences, or preferred identification of the people they are meant to describe. More detailed data released with the 2020 decennial census provides a more complete picture of

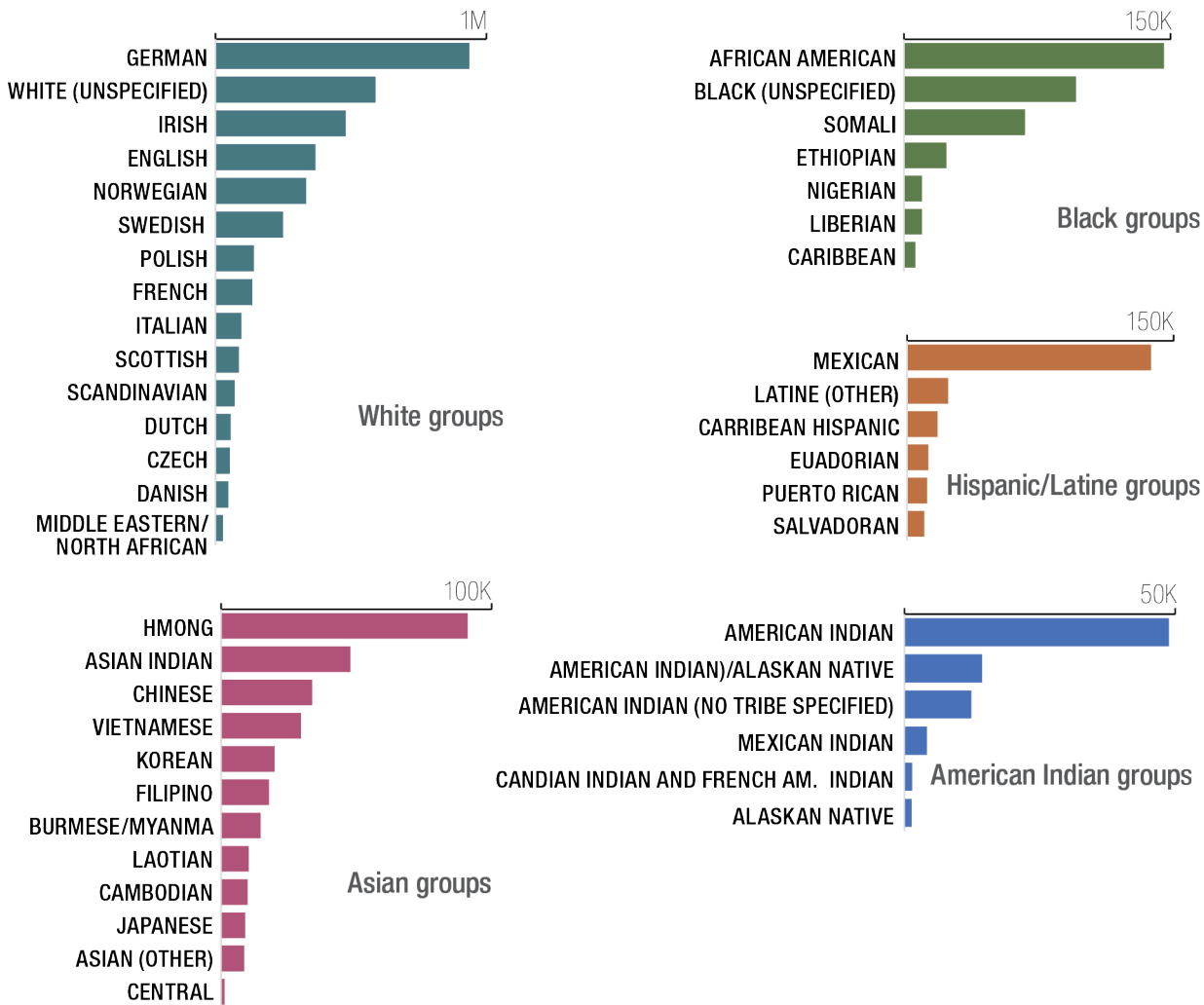
<sup>74</sup> Review 2050 preliminary local forecasts. (2024). Metropolitan Council. <https://metro council.org/Data-and-Maps/Research-and-Data/Thrive-2040-Forecasts/2050-Preliminary-Local-Forecasts.aspx>

<sup>75</sup> Metropolitan Council. *Discover census trends: Four decades of geographically aligned data for the Twin Cities Region*. <https://metrotransitm n.shinyapps.io/census-2020/>

<sup>76</sup> Ibid.

cultural groups in the region. As Figure 6 shows, many of the immigrant groups described earlier remain well-represented in today’s population.

Figure 6. Snapshot of the region’s population in 2020 by detailed race and ethnicity groups



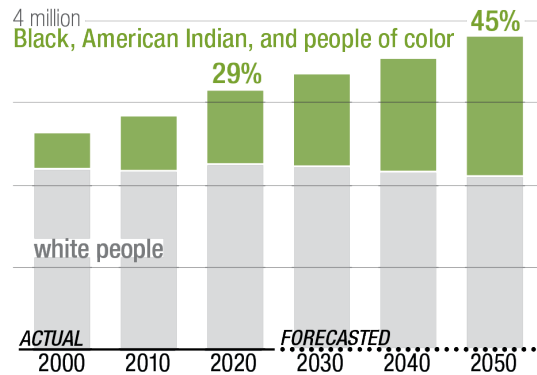
Source: U.S. Census Bureau, 2020 Census (Detailed Demographic & Housing Characteristics File A). Note: Numbers reflect all people who identified with this group, regardless of whether they also identified with other groups. Only groups with 1,000 or more people are included.

By 2050, nearly half (45%) of our region’s population will be Black, American Indian, and people of color, up from 29% in 2020 (Figure 7A). Black and Asian communities will gain the most residents by 2050, followed by Latine and multiracial communities (Figure 7B). The American Indian community is forecasted as stable to 2050, without growth, and the white population will level off and decline.

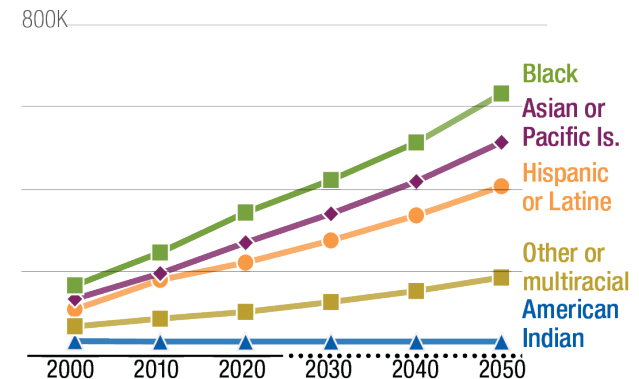


**Figure 7. Forecasted population growth by race and ethnicity**

A. Population growth by race (general)



B. Population growth by race or ethnic group

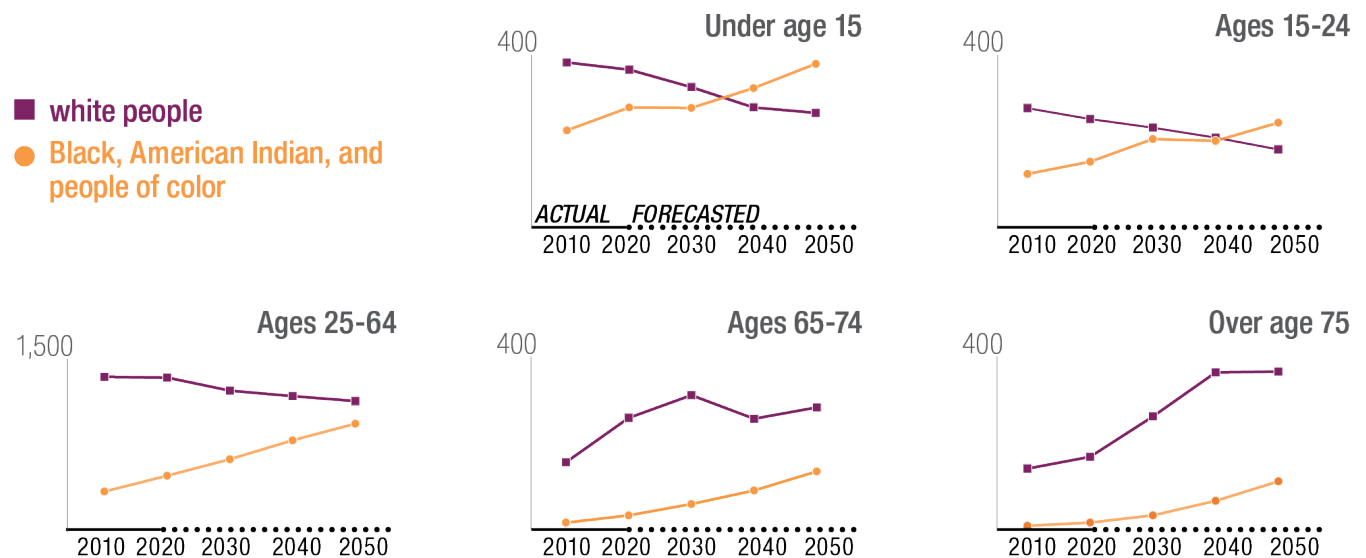


Source: Metropolitan Council regional forecast (April 2023).

Simultaneously, our region—like the US overall—is aging. The median age across the region’s population in 1990 was 31.7 years old; by 2020 it was 37.3. By 2050, the share of the region’s population over age 65 will nearly double, going from 14% in 2020 to 22% by 2050.<sup>77</sup>

More specifically, the white population is aging considerably faster than other racial and ethnic groups (Figure 8). The share of youth and young adults that are Black, American Indian, and people of color will exceed the proportion of white youth and young adults by 2040. The prime workforce age of 25 to 64 will be an almost equal share, while older adults are, and will continue to be, predominantly white.

**Figure 8. Forecasted population growth by race, ethnicity, and age group**



Source: Metropolitan Council regional forecast (April 2023).

<sup>77</sup> Metropolitan Council. (2023). *Population and employment in the Twin Cities region in 2050*. <https://metro council.org/Data-and-Maps/Publications-And-Resources/MetroStats/Land-Use-and-Development/The-Regional-Forecast-Update-2023.aspx>

These two transformational changes: 1) rapid growth of the region's populations of color and 2) rapid aging of the region's white population—has significant implications for our future workforce and housing markets.

### **Our region's economy**

With nearly 92,000 businesses providing over 1.7 million jobs, the Twin Cities metro is the economic hub for the state, western Wisconsin, the Dakotas, and Montana.<sup>78</sup> Our region has a strong economic foundation, including:

- a mix of nation-leading sectors like healthcare, finance, technology, manufacturing, and education, including several Fortune 500 companies;
- substantial shares of the national market in Printing and Publishing, Finance, Insurance, Health Services, Medical Devices, Metal Products, Machinery, and Technology;
- national recognition for high levels of educational attainment and home to a considerable number of educational institutions, including 37 trade schools, colleges, and universities, including, the University of Minnesota, Macalester and other private colleges, and Minnesota State Colleges and Universities, which attract students from around the world;
- a well-developed and reliable regional transportation system with multimodal freight infrastructure, highway system, and transit network; and
- abundant, high-quality, and affordable water and water services that support industry as well as public and ecosystem health.

The region's economy was experiencing robust economic expansion between 2010 and 2020 until the COVID-19 pandemic disrupted this momentum.

### **Pandemic disruptions highlight persistent challenges**

As described earlier, the COVID-19 pandemic was an unprecedented shock to the region's economy, and recovery in the region has been slow compared to the nation and peer regions, with employment returning to back to our two-million-job peak from 2020 only at the start of 2024. Recovery was uneven across sectors, as some industries took an upward trajectory while others lost ground: employment and production expanded beyond pre-2020 levels in construction, manufacturing, wholesale trade and most of the transportation sector. In contrast, service sectors such as retail, entertainment, and food services, that struggle with lost customer connections, reduced activity and unused capacity have not yet regained their past employment levels.

Workers of color and immigrant workers are more likely be employed in customer-facing jobs in the service, retail, entertainment, and healthcare sectors when COVID-19 hit, and those sectors shed the highest numbers of jobs during the shutdowns, resulting in higher unemployment rates among those workers.<sup>79</sup> But some portion of those jobs (and others in trade and manufacturing, for example) were deemed "essential" and workers of color and immigrant workers stayed employed, typically for low wages, few benefits, and in settings that heightened exposure to COVID-19.<sup>80</sup> Serious or prolonged illness could prove to be as financially devastating to economically vulnerable households as job loss

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<sup>78</sup> O'Neill, T. (2023). *Twin Cities Metro Area: 2023 Regional Profile*. Minnesota Department of Employment and Economic Development. [https://mn.gov/deed/assets/091323\\_TWINCITIES\\_tcm1045-133250.pdf](https://mn.gov/deed/assets/091323_TWINCITIES_tcm1045-133250.pdf)

<sup>79</sup> Metropolitan Council. (2020). *COVID-19 economic impacts in the Twin Cities*. <https://metrocouncil.org/Data-and-Maps/Research-and-Data/Research-by-topic/COVID-19-Economic-Impacts.aspx>

<sup>80</sup> Wolter, E. (2020, September 15). *Minnesota's workers of color and immigrants bear the brunt of COVID-19's impact*. Minnesota Compass. <https://www.mncompass.org/data-insights/articles/minnesotas-workers-color-and-immigrants-bear-brunt-covid-19s-impact>

outright.<sup>81</sup> Though federal relief packages and expanded unemployment insurance benefits helped to offset some of the initial economic shock waves, temporarily reducing disparities in lost income by race and ethnicity, immigrant and refugee workers, especially the undocumented, were not eligible.<sup>82, 83</sup>

The pandemic's economic impact on people with disabilities was—and is likely to remain—complex.

Labor force participation for people with disabilities in our state and region is already much lower compared to people without disabilities, regardless of race and ethnicity.<sup>84, 85</sup> Some of this disparity results from disabilities preventing people from working altogether. However, many people with disabilities seek employment but experience barriers like hiring bias among employers, unmet accommodations, and limited transportation options.<sup>86</sup> Further, people with disabilities were advised by the public health community to limit their exposure to COVID-19 as much as possible, as some underlying health conditions could lead to more severe cases or other health complications.<sup>87</sup>

Given that baseline, even fewer people with disabilities in the labor force might have been expected. Instead, recent data show an increase of about 45,000 people with disabilities in Minnesota and an increase of persons with disabilities in the labor force of roughly 30,000 between 2019 and 2021; the overall labor force participation rate is up.<sup>88</sup> Much of this increase is attributed to employers' rapid widespread adoption of remote work, an accommodation disability advocates have championed for many years.<sup>89</sup> Not all of it is, however.

This trend is also due in part to the legacy of COVID-19 itself; this virus caused illness and death—and for an estimated 7-10% of adults who contracted it—disability in the form of long COVID.<sup>90</sup> Long COVID includes a variety of physical and cognitive symptoms following a COVID infection that last for at least four weeks; if symptoms limit at least on major daily activity, it is covered under the Americans

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<sup>81</sup> Sajjanhar, A., Mohammed, D. (2021). *Immigrant essential workers during the COVID-19 pandemic*. The Immigrant Learning Center. <https://www.ilctr.org/wp-content/uploads/2021/12/Immigrant-Essential-Workers-Digital-2.pdf>

<sup>82</sup> Metropolitan Council. (2020). *COVID-19 economic impacts in the Twin Cities*. <https://metro council.org/Data-and-Maps/Research-and-Data/Research-by-topic/COVID-19-Economic-Impacts.aspx>

<sup>83</sup> Sajjanhar, A., Mohammed, D. (2021). *Immigrant essential workers during the COVID-19 pandemic*. The Immigrant Learning Center. <https://www.ilctr.org/wp-content/uploads/2021/12/Immigrant-Essential-Workers-Digital-2.pdf>

<sup>84</sup> Metropolitan Council. (2017). *Understanding disparities by ability status in the Twin Cities region*. <https://metro council.org/Data-and-Maps/Publications-And-Resources/MetroStats/Census-and-Population/Understanding-Disabilities-by-Ability-Status-in-th.aspx>

<sup>85</sup> Casale, O. (2023, September). *The labor force experience of Minnesotans with disabilities*. Minnesota Department of Employment and Economic Development. <https://mn.gov/deed/newscenter/publications/trends/september-2023/disability.jsp>

<sup>86</sup> Terakanambi, S. (2024, March 22). *Barriers to Employment: An Overview*. Minnesota Council on Disability. <https://www.disability.state.mn.us/2024/05/22/barriers-to-employment-an-overview/>

<sup>87</sup> Minnesota Department of Health. (2023b, December 4). *Disabilities and unique health needs during the COVID-19 pandemic*. [https://www.health.state.mn.us/communities/equity/about/covid19\\_disabilities.html](https://www.health.state.mn.us/communities/equity/about/covid19_disabilities.html)

<sup>88</sup> Casale, O. (2023, September).

<sup>89</sup> Hopkins, E. (2022, October 24). *Disability, employment, and COVID*. UMD News Center | University of Minnesota Duluth. <https://news.d.umn.edu/articles/disability-awareness-2022>

<sup>90</sup> Minnesota Department of Health. (2024, May 24). *About Long COVID*. [https://www.health.state.mn.us/communities/equity/about/covid19\\_disabilities.html](https://www.health.state.mn.us/communities/equity/about/covid19_disabilities.html)

with Disabilities Act (ADA).<sup>91</sup> University of Minnesota researches modeled long COVID symptoms as they related to data about disabilities in the US Census’s American Community Survey data and estimated a 16% increase in cognitive disabilities between 2020 and 2021.<sup>92</sup> What this means for the region’s labor force longer-term remains to be seen.

During the height of the pandemic (2020-2021), the region’s labor force participation rates fell—like they did nationally—for several reasons, such as accommodating at-home schooling, childcare and other caregiving responsibilities, health concerns about COVID-19, and reduced hours. As jobs returned, workers didn’t; at least not the pace needed to fill job vacancies, despite considerable (but uneven) wage growth across sectors.<sup>93</sup> Low levels of immigration and an acceleration in retirements also played a role in tightening the labor market.<sup>94</sup> In 2023, the region had 50,000 fewer workers in the workforce than would have been expected with normal demographic growth. As a result, we continue to have one of the highest rates of job vacancies in the nation, alongside exceptionally low unemployment rates. Misalignment between jobs and workers matters to the region’s economic growth in the short- and long-term.

### **Future employment growth depends on inclusion**

The Twin Cities region is undergoing transformative demographic shifts as described above—an increase in racial diversity and an aging population—that will impact its economic landscape, particularly as it alters the composition of the region’s workforce.

The Baby Boom Generation (born between 1946 and 1965) is now retiring from the workforce. Millennials (born between 1981 and 1996) and the older members of Gen Z generation (born in the late 1990s) are as numerous as baby boomers but will not achieve a 1:1 replacement in the workforce. If the region’s labor force is to grow, it must come from inclusive strategies—the region’s population growth alone will not suffice. Integrating communities currently marginalized from the region’s economy, including immigrants and refugees, people with disabilities, Black people, American Indian people, people of color, and people over age 65 will play a key role. Continuing flexible work arrangements and remote work, expanding the potential pool of regional workers geographically can also contribute.

The regional forecast for employment to 2050 reflects these realities: a modest economic expansion is expected over the next 30 years, going from 1.58 million jobs in 2020 to 2.07 million jobs in 2050 (Figure 8). A considerable number of forecasted jobs have already been recovered between 2020 and 2022, so the forecasted growth from 2022 to 2050 is +342,000 jobs.

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<sup>91</sup> U.S. Department of Health Human Services, Office for Civil Rights, & U.S. Department of Justice Civil Rights Division Disability Rights Section. (2021). *Guidance on “Long COVID” as a disability under the ADA, Section 504, and Section 1557* [Report]. [https://archive.ada.gov/long\\_covid\\_joint\\_guidance.pdf](https://archive.ada.gov/long_covid_joint_guidance.pdf)

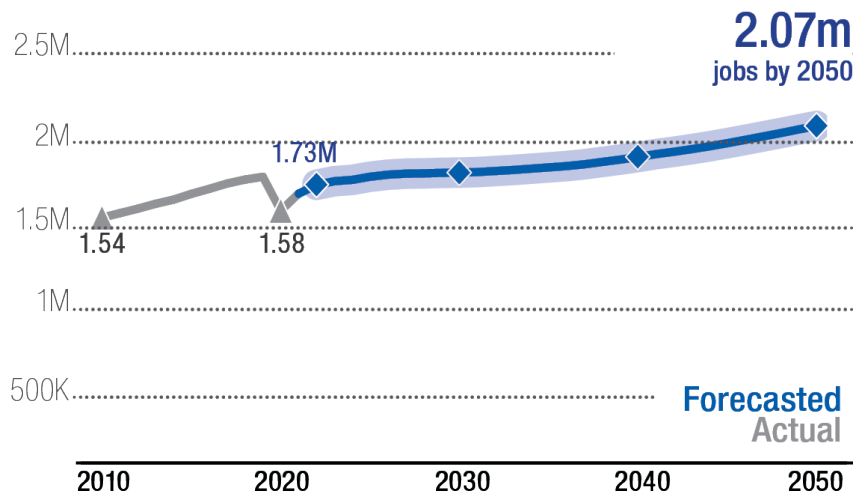
<sup>92</sup> Hopkins, E. (2022, October 24).

<sup>93</sup> Schaffhauser, A. (2022, September). *Will a Record-Setting hot labor market bring labor force participation back to Pre-Pandemic levels?* Minnesota Department of Employment and Economic Development. <https://mn.gov/deed/newscenter/publications/trends/september-2022/labor-force.jsp>

<sup>94</sup> Garcia Luna, E., & Chinander, H. (2022, July 15). *The COVID retirement surge*. Federal Reserve Bank of Minneapolis. <https://www.minneapolisfed.org/article/2022/the-covid-retirement-surge>



**Figure 8. Employment in the Twin Cities region forecasted to 2050**

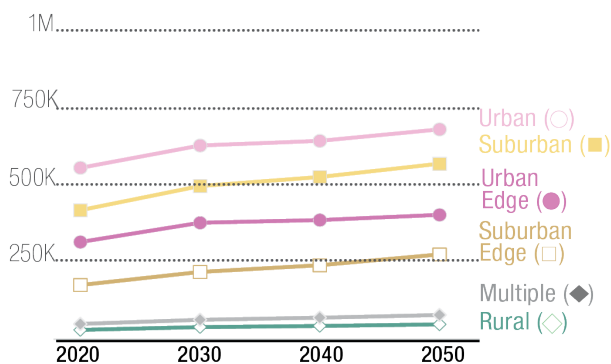


Source: Metropolitan Council regional forecast (April 2023).

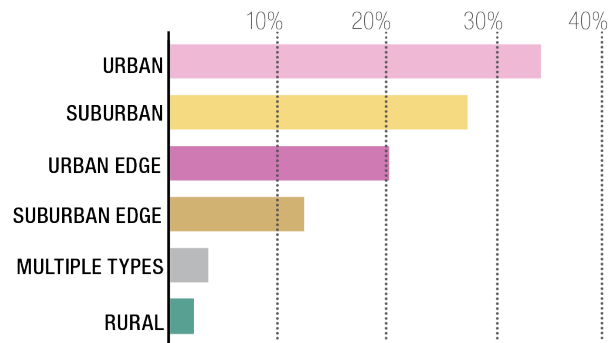
The region’s suburban communities will gain the most jobs between 2020 and 2050 (+151,000), followed by urban (+125,000) areas. The suburban edge (+99,000) and urban edge (+88,000) communities are not far behind Figure 9A. The distribution of forecasted job growth between 2020 and 2050 overall reflects the region’s employment centers, located in the downtowns of Minneapolis and Saint Paul and in suburban areas (Figure 9B). Even in an age of remote work and hybrid work, jobs will continue to cluster geographically and in alignment with regional infrastructure like highways and transit hubs.

**Figure 9. Forecasted employment growth by Imagine 2050 Community Designations**

A. Forecasted employment growth, 2020-2050



B. Total employment growth (493K), distributed



Source: Metropolitan Council preliminary local forecasts (January 2024). “Multiple types” refers to communities with both suburban edge and various rural designations (see Community Designations in Land Use Policy draft for more description on what those designations are and the places they describe.)

Cities in the region with the highest number of jobs in 2020, like Minneapolis, Saint Paul, Bloomington, Eden Prairie, Plymouth and Minnetonka, show job growth rates between +19% and +38% during the forecast period. Eagan shows the highest rate of +40.6%. Considerable job gains are also noted in Shakopee, Brooklyn Park, and Burnsville over the next 30 years.

## Regional Vision, Values, and Goals

Imagine 2050 defines a Vision for the growth and development of the Twin Cities region through 2050. The Vision, Values, and Regional Goals were developed and informed by several considerations, including the vision and plans expressed by communities throughout the region in their most recent comprehensive plans, research on important issues for the region including those related to racial disparities, economic strengths and weaknesses, and climate issues; learnings and findings from engagement that the Council has conducted since adoption of Thrive MSP 2040, including themes that have emerged from conversations, research, and engagement in other planning efforts.

### Vision for Imagine 2050

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*A prosperous, equitable, and resilient region with abundant opportunities for all to live, work, play, and thrive.*

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### Shared Regional Values

The shared Regional Values are shared core beliefs or principles that guide the work of developing and implementing Imagine 2050. The Values build on those identified in *Thrive MSP 2040* and incorporate learnings through implementation over the last ten years as well as the common values expressed by local governments and partners across the region in their plans and programs. Further, these Values guide the Met Council's own approaches to and expectations of partnerships and policy and program development to support full implementation of Imagine 2050.

#### Equity

We value the people and communities of our region. Our region is economically and culturally vibrant. We also recognize, however, the harm and disparities that injustices, including racism, have created.

We are dedicated to creating systems, policies, and programs that repair and heal past harm, foster an equitable future, and eliminate disparities. Communities that have been marginalized in the past will be at the center of this work in leadership roles.

#### Leadership

We value those in our region who inspire and motivate others for positive change. Our region is known for its civic engagement. We need broad and inclusive leadership to help confront the significant challenges we face around equity, climate change, safety, and other pressing issues.

To maximize the potential of our region and its communities, we turn to leadership that is diverse, collaborative, culturally competent, and innovative. We encourage this kind of leadership across all sectors including business, government, non-profit, and education.

#### Accountability

We value being effective in our work and achieving measurable outcomes. Our region is known for its research, initiatives, and collaborations. We must be open to criticism and clearly understand when we are not achieving results or have harmed communities.

We recognize that we can maximize our effectiveness by being in partnership with others. We will also be transparent and flexible so that we can change course when needed.

## **Stewardship**

We value our region's resources. Our resources include our natural, economic, and financial resources as well as our infrastructure. We recognize that these resources may be vulnerable over time to changing conditions, including from climate change.

We must design our systems and allocate our resources in ways that can be sustained over time and support the needs of future generations.

## **Regional Goals**

Imagine 2050 is organized around five shared regional goals. The regional goals identify the desired end states for the major cross-cutting issues facing our region. It will take actions from all levels of government, partnerships with non-profit organizations, educational institutions, and other leaders, and actions across the full spectrum of policy areas to effectively achieve these goals. No one partner nor one program will achieve any of the regional goals on its own.

The five regional goals for our region will be achieved through our policies and actions that inform practices, programs, and partnerships.

- Our region is equitable and inclusive.
- Our communities are healthy and safe.
- Our region is dynamic and resilient.
- We lead on addressing climate change.
- We protect and restore natural systems.

More specifics regarding each of these regional goals are detailed in the sections of this plan below.



## **Our region is equitable and inclusive**

**Racial inequities and injustices experienced by historically marginalized communities have been eliminated; and all people feel welcome, included, and empowered.**

To achieve the regional goal of an equitable and inclusive region, the Met Council has developed a series of Frameworks to guide the regional and local planning processes, the work of the Council, decision-making across the region, and implementation of priorities established in Imagine 2050. Each Framework addresses a key issue which in itself can affect change, and taken together can significantly alter the lives of the most vulnerable populations in this region. The Met Council will use these Frameworks in projects, policy, processes, and procedures to convey a singular message to Met Council partners in how this organization leads and conducts our business. We will share incentives, tools, technical assistance, resources, and lessons learned with partners and local governments to influence and support change at the local level.

### **Patterns of historical injustices**

As history and continual engagement and community collaboration insights have demonstrated, it is imperative that the Met Council works toward creating an equitable region. The lasting impacts of historical injustices, systemic racism, and discrimination continue to reverberate within our region, disproportionately impacting Black people, American Indians, and people of color. Discriminatory and racist policies were thoroughly planned to benefit white Americans, perpetuating a cycle of exclusion for Black people, American Indians, and people of color.

The United States itself is built upon legacies of land theft, colonization, and slavery. The original stewards and kin of the land are the Indigenous peoples of Turtle Island. The seven-county region exists on the homeland of the Dakota peoples and near treaty lands of the Ojibwe and Ho-chunk peoples. Dakota, Ojibwe, and Ho-chunk peoples have survived centuries of genocidal policies, broken treaties, and discrimination in this region. Currently, American Indian peoples from hundreds of tribes have relocated to the Twin Cities, and 42% of American Indians in Minnesota live in the metro area.<sup>95</sup>

### **Slavery and its legacy**

Slavery is defined as a person who is treated as the property of another person and was practiced in the United States until the passing of the Thirteenth amendment in 1865.<sup>96</sup> While slavery was not legal in Minnesota, enslaved people were forcibly brought to Minnesota in the 1800s with many living at or passing through Fort Snelling. Southern slaveowners were also frequent tourists to the region during the mid-1800s and invested in business and institutions, influencing the early economy in the state.<sup>97</sup>

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<sup>95</sup> Dionne J, Cooney M, Fernandez-Baca D. 30-Year Retrospective – Demographic Trends, American Indian Health Status in Minnesota. St. Paul, MN: Minnesota Center for Health Statistics, Minnesota Department of Health, 2021. [https://www.health.state.mn.us/communities/equity/reports/maihsr01demographics\\_report.pdf](https://www.health.state.mn.us/communities/equity/reports/maihsr01demographics_report.pdf)

<sup>96</sup> *Modern abolition*. (2024). National Underground Railroad Freedom Center. Retrieved July 24, 2024, from <https://freedomcenter.org/learn/modern-day-abolition/>

<sup>97</sup> Lehman, C. P. (2019). *Slavery's reach: Southern slaveholders in the North Star State*. <https://muse.jhu.edu/book/67136>

The lasting effects of slavery are foundational to systemic racism<sup>98</sup> and anti-Blackness<sup>99</sup>. Historical slavery practices have continued in the inequities found modern-day policing<sup>100</sup> and have persisted in modern incarceration rates and criminalization of the Black population<sup>101</sup>. The legacy of slavery has also fueled discriminatory policies<sup>102</sup> and continues to affect the economic, social, culture, health, and wellbeing of Black communities and people of color today.

### Racial covenants and redlining

Starting in the early twentieth century, the Great Migration brought an influx of Black residents to cities in the Northern, Midwestern, and Western United States who sought to escape discrimination and racial violence in the South.<sup>103</sup> White residents across predominantly white cities used racial intimidation, violence, and legal action against their Black and people of color neighbors. In response to these demographic changes, the real estate industry and city planners in many parts of the U.S. responded by including exclusionary and racist “racial covenants” in the deeds of homes, furthering segregation efforts. These racial covenants explicitly prohibited many racial groups – particularly Black residents - ethnicities, and nationalities from being able to choose where they wanted to live. By midcentury, over 25,000 properties in Hennepin and Ramsey counties included racial covenants<sup>104</sup>, effectively segregating neighborhoods.

Racial covenants influenced the subsequent practice of redlining. Redlining refers to a neighborhood classification scheme developed by the Home Owners’ Loan Corporation (HOLC). HOLC categorized neighborhoods based on perceived financial risk and consistently classified neighborhoods that were predominantly communities of color as ‘hazardous’ for loan guarantees. Redlining occurred regardless of how affluent a community was – even wealthier neighborhoods were redlined if they were predominantly communities of color, and particularly if they were Black communities. Redlining depressed property values, and this now-cheaper land was desirable for industries. Some redlined areas had previously existed near heavily polluting land uses, but with the advent of these distinct low-land-value areas, more industrial land uses moved in.<sup>105</sup>

Although the use of racial covenants on houses was made illegal in Minnesota in 1953 and the Fair Housing Act banned discrimination in housing in 1968, the legacies of these policies are apparent in

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<sup>98</sup> Banaji, M.R., Fiske, S.T., Massey, D.S. (2021). Systemic racism: individuals and interactions, institutions and society. *Cogn Res Princ Implic*. 6(1):82. doi: 10.1186/s41235-021-00349-3.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8688641/>

<sup>99</sup> Comrie, J. W., Landor, A. M., Riley, K. T., & Williamson, J. D. (2022). Anti-Blackness/Colorism. In *Moving toward antibigotry: Collected essays from the Center for Antiracist Research’s Antibigotry Convening*. Boston University. <https://www.bu.edu/antiracism-center/files/2022/06/Moving-Towards-Antibigotry.pdf>

<sup>100</sup> Schwartz GL, Jahn JL (2020) Mapping fatal police violence across U.S. metropolitan areas: Overall rates and racial/ethnic inequities, 2013-2017. *PLoS ONE* 15(6): e0229686. <https://doi.org/10.1371/journal.pone.0229686>

<sup>101</sup> Article. "From the Prison of Slavery to the Slavery of Prison: Frederick Douglass and the Convict Lease System," 1997. Papers of Angela Y. Davis, 1937-2017 (inclusive), 1968-2006 (bulk), MC 940, 21.4-21.5., Box: 21. Schlesinger Library, Radcliffe Institute. <https://id.lib.harvard.edu/ead/c/sch01609c00361/catalog> Accessed July 24, 2024.

<sup>102</sup> Woods, T. (2021, March 6). Slavery and the U.S. prison system. *Issues in Modern Slavery*. <https://www.globalpolicyjournal.com/blog/06/05/2021/slavery-and-us-prison-system>

<sup>103</sup> *The Great Migration (1910-1970)*. (2021, June 28). National Archives.

<https://www.archives.gov/research/african-americans/migrations/great-migration#:~:text=The%20Great%20Migration%20was%20one,the%201910s%20until%20the%201970s.>

<sup>104</sup> University of Minnesota. (2022). *Maps & Data | Mapping Prejudice*. Retrieved January 11, 2024, from <https://mappingprejudice.umn.edu/racial-covenants/maps-data>

<sup>105</sup> National Geographic. *MapMaker: Redlining in the United States*. (n.d.).

<https://education.nationalgeographic.org/resource/mapmaker-redlining-united-states/>



many disparities that still exist in the region. Redlining has made it difficult for Black, American Indian, and households of color, especially Black households, to build generational wealth.<sup>106</sup> Formerly redlined areas exhibit more disparities in education and residents often have less access to green space, environmental amenities, and nutritious, affordable food.

### Removal of homes due to highway expansion

The systemic exclusion of Black and households of color from wealth-building opportunities and the violent removal of their communities continued with the 1956 Interstate and Defense Highways Act, which funded highway construction across the country, displacing many residents and destroying neighborhoods. In the Twin Cities, Interstates 94 and 35W were constructed. Rondo, a vibrant Black working class St. Paul neighborhood, was split in half despite their efforts to protest and lobby against the I-94 highway development<sup>107</sup>. The planning and construction of 35W forced out a thriving South Minneapolis Black community<sup>108</sup> including homes, prominent businesses, and cultural organizations. Many residents were unaware of the highway development until bulldozers arrived, and compensation for displaced homeowners was inadequate. Renters and businesses, particularly Black renters affected by redlining and racial covenants, received no financial support and were prevented from moving to surrounding neighborhoods, exacerbating their displacement and hindering community connections.

### Civil Rights movement

In the 1950s, the Civil Rights Movement (1954-1968) began as a social movement effort to defeat legalized racial discrimination, segregation, and disenfranchisement of Black Americans and move towards racial justice. The Civil Rights Movement was shaped by activism, marches, protests, boycotts, freedom rides, and lobbying for legislative action. In the Twin Cities, key Civil Rights leaders included Frederick L. McGhee, Reverend Denzil A. Carty, Nelle Stone Johnson, and Harry Davis<sup>109</sup>. Despite court challenges, police brutality, and racial violence, the Civil Rights Movement prevailed and led to landmark cases such as *Brown v. Board of Education* to desegregate schools, Voting Rights Act of 1965, and the Civil Rights Act of 1964 which outlawed all discrimination based on race, color, religion, sex, and national origin. As a follow-up to the Civil Rights Act, Congress passed the Fair Housing Act of 1968 to address racial discrimination in housing following the assassination of Civil Rights leader, Rev. Dr. Martin Luther King, Jr.<sup>110</sup>

### Latina/o/e people and communities in the region

In the early 1900s, over 7,000 Mexican laborers moved to Minnesota employed by beet farmers, sugar companies, meat-packing plants, and railroad lines. They faced exploitation in the forms of low wages, inadequate housing, unsteady employment, and racism. The Anáhuac Society was formed in 1922 as a

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<sup>106</sup> Gibbons, A., Perry, A. M., Harshbarger, D., Ray, R., & Elizondo, S. (2021, September 1). Homeownership, racial segregation, and policy solutions to racial wealth equity. *Brookings*.  
<https://www.brookings.edu/articles/homeownership-racial-segregation-and-policies-for-racial-wealth-equity/>

<sup>107</sup> Beer, T. (2019, November 12). *Neighborhood Resistance to I-94, 1953–1965*. MNopedia, Minnesota Historical Society. Retrieved July 25, 2024, from <https://www.mnopedia.org/event/neighborhood-resistance-i-94-1953-1965>

<sup>108</sup> Kleven, S. (2021, November 18). The construction of the 35W freeway meant destruction for Black neighborhoods in Minneapolis. A new museum exhibit looks back at the damage. *Sahan Journal*.  
<https://sahanjournal.com/culture-community/minneapolis-35w-construction-black-neighborhood-destruction-hennepin-history-museum/>

<sup>109</sup> Minnesota Historical Society Library. (2023). *LibGuides: African American Civil Rights Movement: Overview*.  
<https://libguides.mnhs.org/civilrights>

<sup>110</sup> U.S. Department of Housing and Urban Development. (n.d.). *History of fair housing*.  
[https://www.hud.gov/program\\_offices/fair\\_housing\\_equal\\_opportunity/aboutftheo/history](https://www.hud.gov/program_offices/fair_housing_equal_opportunity/aboutftheo/history)

community hub to provide local services such as neighborhood guidance, employment opportunities, cultural enrichment, and in some cases sickness and funeral benefits.<sup>111</sup>

In the 1960s and 1970s, a growing Chicano Movement occurred as Mexican and Mexican American laborers moved to West Side St. Paul. Chicano activists in rural Minnesota also faced discrimination and barriers as farm workers. They organized Centro Campesino in Southeast Minnesota by 1997. Despite systemic barriers to opportunities such as housing and living wage jobs, the Chicano Movement set a foundation for empowerment for Latina/o/e communities in the seven-county region today.<sup>112</sup> As Latina/o/e people migrated to the region, they began forming community organizations such as Comunidades Latinas Unidas En Servicio (CLUES) in 1981, which is now the largest Latino-led nonprofit in the state.

Due to increasingly growing population of Latin American immigrants, more Latin American owned businesses were established in Minneapolis in the 1990s. As businesses began to expand and communities blossomed, community leaders wanted to build economic power and self-sufficiency. In 1992 community organizers from Sagrado Corazon church created the Joint Committee on Immigration and the Economic Development Committee to “focus building economic power and promote economic opportunities” in flourishing Minnesotan Latina/o/e communities. These eventually became what is officially known as the Latino Economic Development Center (LEDC). The Latina/o/e communities in the region are a testament to community power and solidarity.

### **Asian and Asian American people and communities in the region**

The region is home to many diverse Asian and Asian American communities. Asian people comprise 7.8% of the region’s population.<sup>113</sup> Asian and Asian American communities in Minnesota encompass people from a diversity of cultures. The region’s largest Asian cultural communities include Asian Indian, Burmese/Myanmar, Cambodian, Chinese, Filipino, Hmong, Japanese, Korean, Lao (non-Hmong), Thai, and Vietnamese communities.<sup>114</sup>

The Twin Cities region has the largest urban Hmong population in the country. Hmong people are the largest Asian group in Minnesota, and Hmong is one of the most spoken non-English languages in Minnesota.<sup>115</sup> Hmong people are prominent leaders in the region. After a surge of anti-Asian harassment and violence in the region,<sup>116</sup> Hmong Minnesotan leaders led the update of an anti-hate crime bill to include more accessible and culturally responsive reporting measures.<sup>117</sup> Hmong

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<sup>111</sup> Kolnick, Jeff. (2016, March 7). "Minnesotanos: Latino Journeys in Minnesota." MNopedia, Minnesota Historical Society. [www.mnopedia.org/minnesotanos-latino-journeys-minnesota#:~:text=Latinos%20moved%20to%20Minnesota%20haltingly,out%20of%20Texas%20and%20Mexico.](http://www.mnopedia.org/minnesotanos-latino-journeys-minnesota#:~:text=Latinos%20moved%20to%20Minnesota%20haltingly,out%20of%20Texas%20and%20Mexico.)

<sup>112</sup> Saldivar, S. (2024, May 6). *The Chicano movement of the 1960s and 1970s in Westside St. Paul*. MinnPost. <https://www.minnpost.com/mnopedia/2024/05/the-chicano-movement-of-the-1960s-and-1970s-in-westside-st-paul/#:~:text=Their%20political%20and%20social%20work,in%20Minnesota%20communities%20%E2%80%94%20particularly%20St>

<sup>113</sup> Met Council. *Community Profile for Twin Cities region*. Metrocouncil.org. <https://stats.metc.state.mn.us/profile/detail.aspx?c=R11000#POPRACEETH>

<sup>114</sup> "Asian Minnesotans." MN Compass, [www.mncompass.org/asian-minnesotans](http://www.mncompass.org/asian-minnesotans).

<sup>115</sup> Liu, Yuqing. "How Did Minnesota Become a Hub for Hmong People." *Star Tribune*, 8 Sept. 2023, [www.startribune.com/how-did-minnesota-become-a-hub-for-hmong-people/600302837/](http://www.startribune.com/how-did-minnesota-become-a-hub-for-hmong-people/600302837/).

<sup>116</sup> Chhith, Alex, and Susan Du. "Activism on the Rise in Minnesota's Diverse Asian American Communities." *Star Tribune*, 24 Mar. 2021, [www.startribune.com/activism-on-the-rise-in-minnesota-s-diverse-asian-american-communities/600038174/](http://www.startribune.com/activism-on-the-rise-in-minnesota-s-diverse-asian-american-communities/600038174/).

<sup>117</sup> Callaghan, Peter. "Anti-Asian Bias Spurs Renewed Effort to Update Minnesota's Hate Crime Law." *MinnPost*, 6 Feb. 2023, [www.minnpost.com/state-government/2023/02/anti-asian-bias-spurs-renewed-effort-to-update-minnesotas-hate-crime-law/](http://www.minnpost.com/state-government/2023/02/anti-asian-bias-spurs-renewed-effort-to-update-minnesotas-hate-crime-law/).

businesses and Community Centers, including the Hmong Cultural Center and Museum<sup>118</sup>, are a vibrant and integral part of the region's cultural landscape.

### Anti-immigration and xenophobia

While the United States is comprised of diverse peoples and cultures, we have a longstanding history of anti-immigration policies and xenophobic sentiment. The first explicitly anti-immigration policy was the Chinese Exclusion Act of 1882, setting precedent for additional exclusionary practices discriminating against people of color immigrating to the United States.<sup>119</sup> Immigrants had little to no choice of where they could live, resulting in exploitation in housing, labor, environmental hazard exposure, and access to amenities and care. This legacy in discrimination has cultivated xenophobic sentiment in United States culture, including in the seven-county region.<sup>120</sup> At times in United States history, government agencies decided to expand policies supporting immigrants. These include the 1965 Immigration and Nationality Act, the Immigration Reform and Control Act (IRCA) of 1986, Temporary Protected Status (TPS) in 1990, and Deferred Action for Childhood Arrivals (DACA) in 2012. Such policies provide opportunities for expanded immigration or extension of authorized status for those already in the United States.

Undocumented immigrants are heavily targeted by not only xenophobic and racist policies, but cultural sentiments and political campaigns as well.<sup>121</sup> Undocumented immigrants and refugees continue to be placed in poor quality housing and unsafe labor conditions and have limited access to living-wage jobs.<sup>122</sup>

The largest immigrant populations in the state are from Mexico, Somalia, India, Laos, and Vietnam.<sup>123</sup> Minnesota homes the largest population of Somali immigrants in the country.<sup>124</sup> Somali communities and businesses are a prominent part of the region's development and community building.<sup>125</sup>

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<sup>118</sup> Goff, Myah. "One of St. Paul's Oldest Hmong Cultural Centers Celebrates Expansion, Looks to Future." *Sahan Journal*, 2 Jul. 2024, sahanjournal.com/culture-community/st-paul-hmong-cultural-center-museum-expansion/.

<sup>119</sup> Chow, K. (2017, May 5). As Chinese Exclusion Act turns 135, experts point to parallels today. *NPR*. <https://www.npr.org/sections/codeswitch/2017/05/05/527091890/the-135-year-bridge-between-the-chinese-exclusion-act-and-a-proposed-travel-ban>

<sup>120</sup> Debs, E. (2024, February 25). *How the Legacy of 19th & 20th Century Chinese Exclusion Continues to Permeate Immigration Rhetoric and Policy*. Columbia Political Review. <https://www.cpreview.org/articles/2022/12/how-the-legacy-of-19th-amp-20th-century-chinese-exclusion-continues-to-permeate-immigration-rhetoric-and-policy>

<sup>121</sup> Human Rights First. (2023). *Xenophobia & Anti-Immigrant Extremism: From Fringe to mainstream*. <https://humanrightsfirst.org/wp-content/uploads/2023/09/FINAL-Xenophobia-2023.pdf>

<sup>122</sup> Misra, S., Kwon, S. C., Abraído-Lanza, A. F., Chebli, P., Trinh-Shevrin, C., & Yi, S. S. (2021). Structural racism and immigrant health in the United States. *Health Education & Behavior*, 48(3), 332–341. <https://doi.org/10.1177/10901981211010676>

<sup>123</sup> Warren, Peter. "What Are the Top Five Immigrant Groups in Minnesota." *Star Tribune*, 26 Mar. 2021, [www2.startribune.com/minnesota-immigration-countries-top-five-mexico-somalia-india-laos-vietnam/600032203/](http://www2.startribune.com/minnesota-immigration-countries-top-five-mexico-somalia-india-laos-vietnam/600032203/).

<sup>124</sup> Williamson-Lee, Jayne. "Is Minnesota Home to the Largest Number of Somali Americans in the Country?" *MinnPost*, 11 Jul. 2023, [www.minnpost.com/fact-briefs/2023/07/is-minnesota-home-to-the-largest-number-of-somali-americans-in-the-country/#:~:text=Minnesota%20Compass%20reports%20a%20total%20of%2086%2C610%20Somali,to%202021%20U.S.%20Census%20American%20Community%20Survey%20data](http://www.minnpost.com/fact-briefs/2023/07/is-minnesota-home-to-the-largest-number-of-somali-americans-in-the-country/#:~:text=Minnesota%20Compass%20reports%20a%20total%20of%2086%2C610%20Somali,to%202021%20U.S.%20Census%20American%20Community%20Survey%20data).

<sup>125</sup> Rao, Maya. "How Did the Twin Cities Become a Hub for Somali Immigrants?" *Star Tribune*, 21 Jun. 2019, [www2.startribune.com/how-did-the-twin-cities-and-minnesota-become-a-hub-for-somali-immigrants/510139341/](http://www2.startribune.com/how-did-the-twin-cities-and-minnesota-become-a-hub-for-somali-immigrants/510139341/).

The region is also a new-found home for refugees, including Somali, Myanma/Burmese, Laotian and Hmong, Ethiopian, Liberian, Afghan, Bhutanese, Iraqi, and Ukrainian refugees.<sup>126</sup> The region contains sanctuary cities, including Minneapolis and Saint Paul.<sup>127</sup> A sanctuary city is “a municipality that has adopted a policy of protecting undocumented immigrants by not prosecuting them solely for violating federal immigration laws.”

Community engagement recommendations from immigrant communities recommended expanded use of Individual Taxpayer Identification Number (ITIN) for obtaining loans and renting homes. Immigrants, including undocumented immigrants and refugees, are an important part of the communities and cultural landscape that make up our region, and must be respected as such in our region’s policies, practices, and processes.<sup>128</sup>

### **Racial intimidation and other discriminatory practices**

Despite the legal end of racial discrimination and segregation, racial intimidation and violence against Black, American Indian, and people of color still exists in U.S. culture, including the seven-county region. In addition to anti-immigration and xenophobic sentiments, racial intimidation affects Black communities, American Indians, and people of color through cultural sentiments as well as formal and informal policies and practices. In relation to racial disparities in homeownership, evidence shows that discriminatory practices including real estate agents steering Black people and other racial minorities to or from certain neighborhoods still exists. After reporting in national newspapers around apparent discrimination in home appraisals, Freddie Mac followed up with a comprehensive study of evaluation of home appraisal gaps between Black and Latino tracts and white tracts and found that homes in Black and Latino census tracts were more likely to be appraised at lower values than comparable homes in white census tracts.<sup>129</sup> These systemic practices continue to depress the ability for Black and Latino homeowners to build wealth through homeownership.

### **Erasure of history in data/narratives**

The data and tools we develop must remain people-centered, driven by concerns articulated by overburdened communities, and be deeply interwoven with Met Council processes for budgeting, policy development/prioritization, and program implementation. Too often, purely quantitative approaches to policy inherit biases from the data itself – that is, the research priorities of institutions shape how data is collected and distributed, which inevitably influences the downstream analyses that arise from these datasets.<sup>130</sup> This can lead to disconnects in what residents and communities are experiencing and what government entities such as the Met Council acknowledge or commit to address. To combat this

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<sup>126</sup> Minnesota Department of Health. (n.d.) *Refugee Health Statistics*. <https://www.health.state.mn.us/communities/rih/stats/index.html#NaN>

<sup>127</sup> *Sanctuary cities in Minnesota – USCIS guide*. (n.d.). <https://www.uscisguide.com/state-regulations-and-laws/sanctuary-cities-in-minnesota/>

<sup>128</sup> Crann, T. & Felegy, A. (2023, February 1). *Refugee resettlement in Minnesota: How everyday citizens can help*. Sahan Journal. <https://sahanjournal.com/news-partners/minnesota-refugee-resettlement-citizen-sponsors-welcome-corps/>

<sup>129</sup> Narragon, M., Wiley, D., McManus, D., Li, V., Li, K., Wu, X., & Karamon, K. (2021). *Racial and ethnic valuation gaps in home purchase appraisals*. FreddieMac. <https://www.freddiemac.com/fmac-resources/research/pdf/202109-Note-Appraisal-Gap.pdf>

<sup>130</sup> Khoshkhoo, N. A., Geiger Schwarz, A., Godinez Puig, L., Glass, C., Holtzman, G. S., Nsoesie, E. O., & Gonzalez Rose, J. B. (2022). *Toward Evidence-based Antiracist Policymaking: Problems and Proposals for better racial data collection and Reporting*. Boston University Center for Antiracist Research. <https://www.bu.edu/antiracism-center/files/2022/06/Toward-Evidence-Based-Antiracist-Policymaking.pdf>

bias, we can employ a mixed methods approach that synergizes quantitative analyses with qualitative datasets such as social knowledge and lived experience.

### Equity framework

A person-centered approach must guide the region’s efforts in creating an equitable region and closing racial disparities. A shared understanding of equity is essential in working toward a more equitable region.

To ensure shared understanding around what equity within Imagine 2050 means, to ensure consistency across all policy chapters, and to embed equity within the planning, processes, decisions, and policies of this plan and others, Imagine 2050 defines an Equity Statement and an Equity Framework. Equity is both a practice and a process, so conditions of success are included to ensure that effective operationalization is possible at all levels of implementation.

### Equity statement

The equity statement was developed as a guiding definition to ensure a shared understanding and application across Imagine 2050 and for the region. The equity statement encompasses the primary emphasis and outcomes desired for regional equity. Other marginalized factors, such as abilities and income, still matter and are critical aspects in an intersectional perspective on impact and outcome.

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Equity means that historically excluded communities—especially Black communities, American Indian communities, and communities of color— have measurably improved outcomes through an intentional and consistent practice of adapting policies, systems, services, and spending so that they contribute to the repair of both historic and ongoing injustice.

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Imagine 2050 centers race in its focus on equity because of the strong connections of systemic racism and racial inequities with other inequities. The Government Alliance on Race and Equity (GARE) writes, “Racial inequities continue to be deep, pervasive and persistent across all indicators for success, regardless of region. Deeply racialized systems are costly and depress life outcomes for all groups. Systems that fail communities of color first and hardest, fail all of us.”<sup>131</sup> If one desires to uncover inequities, one might begin with race first, and inequities in other demographics will be discovered. Thus, all groups experiencing inequities (such as those with different abilities or low-income households) benefit when we lead with race in our equity efforts. GARE makes a call to action for local governments, stating: “As local and regional government deepens its ability to eliminate racial inequity, it will be better equipped to transform systems and institutions impacting other marginalized groups.”

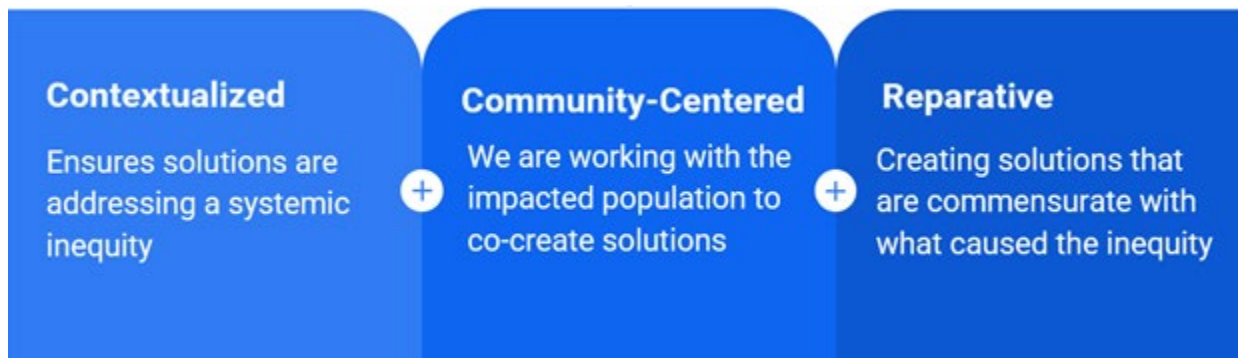
In partnership with the Center for Urban and Regional Affairs (CURA), the Met Council developed a regional Equity Framework. The Equity Framework guided the development of Imagine 2050 and will continue to guide the Met Council’s work and the implementation of Imagine 2050. The grounding concepts of the Equity Framework include **Contextualized**, **Community-Centered**, and **Reparative** (see Figure 1) to provide a lens through which planning, processes, decision-making, and policies can be evaluated.

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<sup>131</sup> Government Alliance on Race and Equity. (2024). *Why race & government*. <https://www.racialequityalliance.org/who-we-are/our-approach>



Figure 1. Equity Framework Grounding Concepts



The purpose of the Equity Framework is to provide an intentional approach to taking steps to remediate the prolonged impacts of historical and inequitable practices in the region. The grounding concepts of the Equity Framework are foundational across the four accompanying frameworks and bodies of work which target more specific equity issues. They are:

1. Environmental Justice Framework
2. Anti-Displacement Framework
3. Community-Centered Engagement
4. Land, Water, and People Commitments

The following section offers an in-depth approach to implementation of the Equity Framework and Conditions for Success which are included to ensure that well-established principles of equity work are adopted.

### Structure of the Equity Framework

The Equity Framework is intended to be used to assess if stated intentions of policies, planning, and processes align with the three grounding concepts: *Contextualized*, *Community-Centered*, and *Reparative*. The grounding concepts enable a better understanding of the power of positional roles and reflect on challenging preconceptions, good or bad, regarding the system or policy area regarding equity and inequity.

1. **Contextualized:** Ensure solutions address systemic inequities.
  - Specifically name institutionalized inequities impacting residents of the region.
  - Center the communities' account of the history and/or relationship to the issue and inequities.
  - Gain a better understanding of the way historical injustice (exclusion, undercapitalization, etc.) compound to become present and future injustices, disparities, and barriers.
2. **Community-Centered:** Work with impacted people and populations to co-create solutions.
  - Guide approaches by expertise from communities and residents experiencing the greatest impact.
  - Maximize existing decision-making processes to the benefit of communities and residents who are experiencing the greatest inequities.
  - Ensure transparency and proactively share information with the communities and residents who are experiencing the greatest inequities.

3. **Reparative:** Seek restorative remedies commensurate with the level of negative impact.
- Identify current mechanisms in place to ensure that policies are routinely assessed, improved, and adjusted.
  - Translate equity policy priorities into the implementation of programs and procedures and projects.
  - Current practices seek to repair past inequities in a manner that is commensurate with the negative impacts of past injustices.
  - Measurable impact of equity-oriented actions and efforts are able to be observed, felt and evaluated.

The Equity Statement and five Conditions for Success provide concrete areas, or facets of existing conditions to review the systems and policy areas for improvement.

### **Conditions for success**

**Leads with race:** Improve outcomes toward eliminating racial disparities. Focusing on racial equity provides the opportunity to introduce a framework, tools, and resources that can also be applied to other areas of marginalization. In project, program, or policy development, leading with race means:

- Reflecting the experiences of Black communities, American Indians, and people of color, and that those experiences are reflected in the supporting data and analysis and additionally, that the data and analysis are disaggregated and granular (to extent possible) to determine whether there are differences in outcomes among different populations.
- Specifically supporting Black people, American Indians, and people of color, and analyzes whether everyone is served equally or equitably.
- Identifying and considering inequities between racial groups.

**Action-oriented:** Intentional, ongoing, and consistent practice of adapting policies, systems, and structures. In project, program, or policy development, action-oriented means:

- Considering all tools and authorities that can be leveraged including funding, as well as identifying strategies available and the conditions under which they would be used.
- Evaluating the potential to increase/decrease disparities in the region; acknowledging when disparities remain constant for each potential action.
- Tracking and quantifying progress towards equity outcomes.
- Ensuring that equity-oriented work is sustained and refreshed over time.

**Historic context:** Repair both historic and ongoing injustice. In project, program, or policy development, this means:

- Assessing past actions or investments and taking responsibility for resulting harm or inequities.
- Evaluating current conditions and context for whether they are reflective of reparative outcomes.

**Power-sharing:** Historically excluded communities share power in all levels of decision-making. In project, program, or policy development, this means:

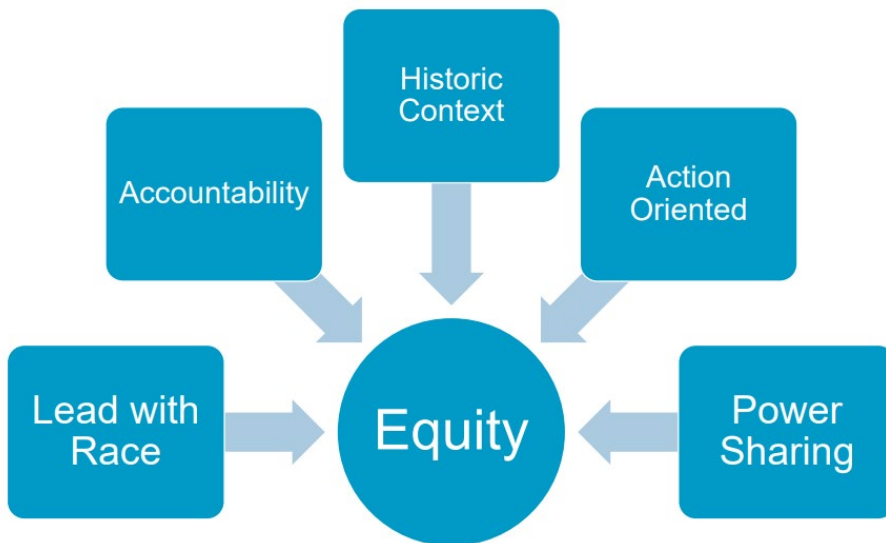
- Engaging the groups most impacted as a starting point and, where needed, building capacity within communities to effect change in governmental decision-making.
- Engaging the groups that traditionally have not had power in government to provide feedback at every stage of the work.

- Reflecting the priorities of impacted groups in the work.

**Accountability:** Measurable improved outcomes as defined by those most affected by them through engagement. In project, program, or policy development, this means:

- Identifying measures to track progress towards meeting the identified outcomes.
- Reporting on progress towards those outcomes or goals even if they have not been reached, or have had negative outcomes.

Figure 2. Equity Framework Conditions for Success



### Environmental Justice (EJ) Framework

An environmental justice framework includes assessment tools and approaches to mitigate unjust and inequitable decisions and conditions, and to maximize environmental benefits for all communities – especially overburdened communities. A framework assesses and reviews processes in public policy planning, including engagement, but may also be used during or after project or policy implementation, such as evaluation. A framework also uncovers underlying actions that contribute to and produce disparate exposure and unequal protection from environmental hazards.

This section defines environmental justice and related terms, describes framework components, details environmental disparities data and related tools, and presents environmental justice assessments and measures.

The Environmental Justice Framework provides guidance on how to integrate environmental justice principles into the practices and policies set by Imagine 2050.

The Met Council’s commitment to environmental justice starts with a renewed pledge to build relationships with communities overburdened by ambient health risks to understand their experiences with practices that have perpetuated environmental injustices. Together - identifying regional policies and investments that will improve our shared stewardship of the region’s land, water, and air - we can repair past harms and improve community health and safety.

## Defining Environmental Justice and Overburdened Communities

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Environmental Justice is the right for all residents to live in a clean, safe environment that contributes to a healthy quality of life.

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The Met Council recognizes that EJ centers, but is not limited to, Black communities, American Indians, people of color, disabled communities, immigrants and refugees, and low-income communities who have and continue to experience a legacy of racism or other structural or systemic barriers that have resulted in environmental injustices, harms, and risks.

EJ requires necessary adaptations to regional services, requirements, policies, practices, processes, and decisions, starting with Imagine 2050, to support a healthy and safe region.

Overburdened communities<sup>132</sup> are those who bear less responsibility for climate change yet are disproportionately affected by the cumulative impacts of climate change and environmental hazards. The impacts of climate change affect everyone, but due to systemic factors and no fault of their own, some communities are disproportionately burdened by the effects of climate change and environmental risks.<sup>133</sup>

Despite these systemic challenges and threats, overburdened communities continue to empower themselves and thrive. Many overburdened communities have produced community-specific solutions related to environmental injustices. Prioritizing overburdened communities in engagement and co-creating contextualized solutions in partnership mitigates harmful outcomes and instead creates pathways for reparative solutions that benefit everyone.

### Historic patterns in discriminatory land use practices elicit environmental injustice

#### *American Indian displacement and genocide*

American Indian people have historically been and currently are strong leaders in the Environmental Justice movement, with Land, Water, and Air Protectors at the forefront of many contemporary EJ movements and actions. Many American Indian values and Traditional Ecological Knowledge serve as the basis of EJ values and principles.

American Indian communities have and continue to face environmental injustices. American Indian communities and Tribal lands have been burdened by industrial developments such as nuclear energy and waste facilities and destruction of native ecosystems. Anti-American Indian sentiment compounded

*“Environmental justice means diverse ways of understanding human and non-human relationality and changing culture.”*

-Urban Roots youth member

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<sup>132</sup> U.S. EPA. *What is the definition of “overburdened community” that is relevant for EPA Actions and Promising Practices?*. (2024, July 10). <https://www.epa.gov/caa-permitting/what-definition-overburdened-community-relevant-epa-actions-and-promising-practices#:~:text=The%20term%20is%20used%20to%20describe%20the%20minority%2C,cumulative%20impacts%20or%20greater%20vulnerability%20to%20environmental%20hazards.>

<sup>133</sup> U.S. EPA. 2021. *Climate Change and Social Vulnerability in the United States: A Focus on Six Impacts*. U.S. Environmental Protection Agency, EPA 430-R-21-003. [www.epa.gov/cira/social-vulnerability-report](http://www.epa.gov/cira/social-vulnerability-report)

with lack of transparency and meaningful engagement has resulted in the desecration of American Indian and Dakota sacred sites in the region.

American Indian Tribes, communities, and people continue to lead EJ movements in response to ongoing harm and grounded in longstanding kinship with the land. Their land stewardship practices and relationship with land are important to honor, but not co-opt, in EJ practices.

### *Environmental racism from racial covenants, redlining, and zoning*

Black, American Indian, and people of color communities are historically disinvested and have less access to green spaces, parks, and other environmental amenities. Today, historically white and affluent areas still have more access to green spaces and likely are less impacted by urban heat island effects.

Redlining depressed property values, and this now-cheaper land was desirable for industries. Some redlined areas had previously existed near heavily polluting land uses, but with the advent of these distinct low-land-value areas, more industrial land uses moved in.<sup>134</sup> Redlining also influenced zoning laws. Racist zoning laws disproportionately targeted Black neighborhoods and placed hazardous waste facilities near predominantly Black communities and neighborhoods in the Twin Cities.<sup>135</sup>

Environmental racism<sup>136</sup> takes the form of the cumulative and lasting impacts of redlining, racial covenants, and zoning. Redlining has made it difficult for Black, American Indian, and people of color households, especially Black households, to build generational wealth.<sup>137</sup> Formerly redlined areas exhibit inequities in education, and residents often have less access to nutritious, affordable food because of food deserts. It impacted access to green space and cool places based on race and income. This lack of green space exacerbates the impact of the urban heat island. The systemic barring of access compounded with lower quality Social Determinants of Health creates environmental injustices.

### **Environmental injustices today: health, green space, and homes**

All residents in our region will be affected by climate change, but we are not all affected in the same way. Those who are particularly vulnerable due to a range of historical, social, environmental, and economic factors have less ability to be resilient to climate change impacts.<sup>138</sup> The effects of environmental racism, compounded with climate change and pollutants, affect access to affordable, dignified housing. Proximity to pollution creates a negative feedback loop in the housing market. These ongoing issues related to land and air quality create a complex interplay in which areas with high levels of pollution and lack of green space also have lower land value. These areas are more affordable for

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<sup>134</sup> National Geographic. *MapMaker: Redlining in the United States*. (n.d.).

<https://education.nationalgeographic.org/resource/mapmaker-redlining-united-states/>

<sup>135</sup> Jubara, A., & Zhan, Y. (2021, December 21). Mapping Block-Level Segregation: The Twin Cities' Black Population, 1980-2010. *Minnesota Population Center Blog*. <https://blog.popdata.org/mapping-segregation/>

<sup>136</sup> Hanson-Agwatu, A., & Damirg, A. (2022, April 1). *Environmental racism in the twin cities*.

<https://storymaps.arcgis.com/stories/4b4f5905fd494a2dac8cb5d52c1fb92a>

<sup>137</sup> Plumer, B., Popovich, N., & Palmer, B. (2022, March 9). How decades of racist housing policy left neighborhoods sweltering. *The New York Times*. <https://www.nytimes.com/interactive/2020/08/24/climate/racism-redlining-cities-global-warming.html>

<sup>138</sup> State of Minnesota. (n.d.). *Disproportionate heat risks for communities of color*. Our Minnesota Climate. <https://climate.state.mn.us/disproportionate-heat-risks>



both industrial users and residential communities, creating a feedback loop in which people seeking affordable places to live are continuously exposed to land uses that bear significant health burdens.

The United States has a history of ongoing environmental racism, with our seven-county region being no exception. The Minnesota Department of Health (MDH) cites “institutional systems including city planning, infrastructure, and policies that have led to disparities in local source pollution” as systemic inequities.<sup>139</sup> To measure the disparities, the Minnesota Department of Health (MDH) identifies five community characteristics that correspond with these Social Determinants of Health: Health care access and quality, neighborhood and built environment, social and community context, economic stability, and education access and quality.<sup>140</sup>

MDH reports that areas with lower access to health care and higher pollution higher percentages of the identified Social Determinants of Health “have a substantially higher rate of negative health impacts, approximately three to four times greater for all outcomes.”<sup>141</sup> In addition to health issues related to air quality, low-income communities and communities of color in the Twin Cities are also more likely to be exposed to traffic noise levels. MDH states that in the Twin Cities, “zip codes with the largest percentage of [residents of color] had more than *five times* the rate of asthma emergency room visits related to air pollution compared to areas with more white residents.”<sup>142</sup>

### *Inequitable access to green space*

Green spaces provide benefits for people that improve mental wellbeing and physical health and foster a community.<sup>143</sup> Valuable environmental services such as flood management and air pollution control are also provided depending on the type of green spaces that are present. These benefits and services improve the lives of people that live nearby and manage the physical environment. Ingrained and persisting environmental injustices have led to unequal access to green spaces for everyone. This has resulted in low-income and communities of color having a lack of green space access.

Wealth is directly correlated with green space access and people who are low-income are located farther away from parks than those with more income.<sup>144</sup> Another study revealed that even when physical green space access is present, communities of color tend to have smaller green spaces compared to white neighborhoods.<sup>145</sup> These disparities have led to inequitable access to benefits of

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<sup>139</sup> Minnesota Department of Health & Minnesota Pollution Control Agency. (2022). *Life and Breath: Twin Cities Metro Area*. <https://data.web.health.state.mn.us/documents/20147/0/LIFE+and+BREATH+III+METRO+BRIEF-FINAL.pdf/708c1326-4d48-d2a0-64e6-6ae7f6e2995f>

<sup>140</sup> Minnesota Department of Health. (2024, January 22). *ACEs and Social Determinants of Health*. <https://www.health.state.mn.us/communities/ace/sdoh.html>

<sup>141</sup> Minnesota Department of Health & Minnesota Pollution Control Agency. (2022). *Life and Breath: Twin Cities Metro Area*. <https://data.web.health.state.mn.us/documents/20147/0/LIFE+and+BREATH+III+METRO+BRIEF-FINAL.pdf/708c1326-4d48-d2a0-64e6-6ae7f6e2995f>

<sup>142</sup> Nega, T. H., Chihara, L., Smith, K., & Jayaraman, M. (2013). Traffic Noise and Inequality in the Twin Cities, Minnesota. *Human and Ecological Risk Assessment: An International Journal*, 19(3), 601–619. <https://doi.org/10.1080/10807039.2012.691409>

<sup>143</sup> Weir, K. (2020). Nurtured by nature: Psychological research is advancing our understanding of how time in nature can improve our mental health and sharpen our cognition. *Monitor on Psychology*, 51(4), 50. <https://www.apa.org/monitor/2020/04/nurtured-nature>

<sup>144</sup> Nesbitt, L., Meitner, M. J., Girling, C., Sheppard, S. R., & Lu, Y. (2019). Who has access to urban vegetation? A spatial analysis of distributional green equity in 10 US cities. *Landscape and Urban Planning*, 181, 51–79. <https://doi.org/10.1016/j.landurbplan.2018.08.007>

<sup>145</sup> Dai, D. (2011). Racial/ethnic and socioeconomic disparities in urban green space accessibility: Where to intervene? *Landscape and Urban Planning*, 102(4), 234–244. <https://doi.org/10.1016/j.landurbplan.2011.05.002>

green spaces. Negative health implications and risks are exacerbated because of historic disinvestment of green spaces in these overburdened communities.

Green spaces that provide ecosystem services often yield higher quality positive outcomes for residents<sup>146</sup>. For example, a regional park with diverse wildlife can improve mental health better than a field of turfgrass. Green space access should not be just limited to quantity but also quality. Increasing physical access to a green space is important, but so is the quality of the green space so that people can enjoy it to their utmost and preference. By centering the benefits of these green spaces and park projects on overburdened communities, the Met Council can work to rectify past policies and practices to improve the wellbeing and health of all residents, and especially the most overburdened ones.

### *Homes that are less resilient to climate change*

As Minnesota experiences a warmer and wetter climate<sup>147</sup>, disinvested and aging homes face challenges in mitigating climate hazards and enabling resilient neighborhood recoveries. Homes within historically redlined neighborhoods are already more likely to be near polluters<sup>148</sup> and within urban heat islands<sup>149</sup>. With increased heat and precipitation, energy inefficient homes or homes that are in areas of older stormwater systems<sup>150</sup> face greater risks from unhealthy temperatures and inland flood damage. Low-income households are more likely to live in older homes with lead, making children in poverty more likely to be exposed to lead<sup>151</sup>. Appropriate building modifications to ensure safe and efficient homes may pose upfront economic burdens for low-income households and homeowners.

Social cohesion and social networks are important to neighborhood resiliency after extreme weather events. Weak and fractured social connections within unsafe, unwalkable, unconnected, and underinvested neighborhood spaces make it difficult to form systems of community support and aid. Historical and ongoing housing disinvestment threatens the connections and relationships vital to neighborhood resiliency.

### *Environmental Justice terms in other planning and community contexts*

Black and American Indian communities organized the Environmental Justice (EJ) movement to address environmental racism from both government action and neglect starting in the 1960s. The 17 principles of Environmental Justice<sup>152</sup> adopted at the 1991 People of Color Environmental Leadership Summit in Washington, D.C. guide the holistic EJ movement, including the movement's leaders,

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<sup>146</sup> Wolch, J. R., Byrne, J., & Newell, J. P. (2014). Urban green space, public health, and environmental justice: The challenge of making cities 'just green enough.' *Landscape and Urban Planning*, 125, 234–244.

<https://doi.org/10.1016/j.landurbplan.2014.01.017>

<sup>147</sup> State of Minnesota. (n.d.). *Minnesota is getting warmer and wetter*. Our Minnesota Climate.

<https://climate.state.mn.us/minnesota-getting-warmer-and-wetter>

<sup>148</sup> Minnesota Department of Health & Minnesota Pollution Control Agency. (2022). *Life and Breath: Twin Cities Metro Area*. <https://data.web.health.state.mn.us/documents/20147/0/LIFE+and+BREATH+III+METRO+BRIEF-FINAL.pdf/708c1326-4d48-d2a0-64e6-6ae7f6e2995f>

<sup>149</sup> State of Minnesota. (n.d.). *Disproportionate heat risks for communities of color*. Our Minnesota Climate.

<https://climate.state.mn.us/disproportionate-heat-risks>

<sup>150</sup> Minnesota Pollution Control Agency. (2024, July 23). *To counter climate change-related flooding, communities across Minnesota get creative*. [https://www.pca.state.mn.us/news-and-stories/how-climate-resilience-grants-prevent-](https://www.pca.state.mn.us/news-and-stories/how-climate-resilience-grants-prevent-flooding#:~:text=According%20to%20an%20MPCA%20survey,have%20seen%20more%20frequent%20flooding.)

[flooding#:~:text=According%20to%20an%20MPCA%20survey,have%20seen%20more%20frequent%20flooding.](https://www.pca.state.mn.us/news-and-stories/how-climate-resilience-grants-prevent-flooding#:~:text=According%20to%20an%20MPCA%20survey,have%20seen%20more%20frequent%20flooding.)

<sup>151</sup> Minnesota Department of Health. (2023, June). *Childhood lead exposure: risk factors*. Minnesota Public Health Data Access. [https://data.web.health.state.mn.us/lead\\_risk](https://data.web.health.state.mn.us/lead_risk)

<sup>152</sup> Delegates to the First National People of Color Environmental Leadership Summit. (1991). *Principles of environmental justice*. <https://www.ejnet.org/ej/principles.pdf>

languages, philosophies, actions, and solutions. The Environmental Justice Framework is rooted in the guiding values of this grassroots movement.

There are many terms for communities centered in Environmental Justice (EJ), ranging from ‘EJ communities’ used in grassroots spaces, ‘EJ areas’<sup>153</sup> used by the Minnesota Pollution Control Agency (MPCA), to ‘Low-Income Disadvantaged Communities’ (LIDAC)<sup>154</sup>, used by the Environmental Protection Agency’s (EPA’s) Climate Pollution Reduction Grants Program. State legislation currently defines ‘Environmental Justice areas’ as areas with the following census tract conditions:

- At least 40% people of color
- At least 35% households with income at or below 200% of the federal poverty level
- At least 40% population with limited English proficiency
- Located in federally recognized reservations and other Indigenous lands.

This document uses “overburdened communities” to center people along with a geographical component of EJ. Implementation of various EJ-related grants, policies, and actions requires incorporating other agencies’ people- and place-based considerations. Definitions are subject to being refined and adapted.

### **Structure of the Environmental Justice Framework**

The Met Council’s Environmental Justice (EJ) framework is rooted in its Equity Framework. The components of the Equity Framework are overarching principles of EJ. EJ frames these principles in the context of people and their relationship to their environment, including land, air, soil, water, plants, and animals. Components of the framework may overlap and occur concurrently.

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<sup>153</sup> Minnesota Pollution Control Agency. (n.d.). *Understanding environmental justice in Minnesota*.  
<https://mpca.maps.arcgis.com/apps/MapSeries/index.html?appid=f5bf57c8dac24404b7f8ef1717f57d00#map>

<sup>154</sup> United States Environmental Protection Agency & Office of Air and Radiation. (2023). *Climate Pollution Reduction Grants Program: Technical Reference Document for states, municipalities and Air Pollution Control agencies Benefits Analyses: Low-Income and Disadvantaged Communities*.  
[https://www.epa.gov/system/files/documents/2023-05/LIDAC%20Technical%20Guidance%20-%20Final\\_2.pdf](https://www.epa.gov/system/files/documents/2023-05/LIDAC%20Technical%20Guidance%20-%20Final_2.pdf)

Figure 3. Grounding Concepts of the Environmental Justice Framework



**Contextualized Data: People-centered, data-driven decision making**

The first component is using data to inform decision-making. Quantitative and qualitative data provide important geographical and community-based context. Just and fair decision-making processes include understanding the environmental history and present experiences relevant to overburdened communities and integrating such history with data. Quantitative data such as pollution exposure, respiratory disease rates, and cumulative impacts must be monitored and reported. Qualitative data should be shared broadly across and within the region to lessen the impact of repeated requests for engagement with overburdened communities.

**Community-centered Relationships: Prioritized engagement with overburdened communities**

This component means transforming community engagement processes towards reparative, respectful relationships with communities. A shift to co-creating solutions – particularly with the most overburdened and vulnerable communities - requires identifying and addressing the internal barriers that prevent government agencies from systemic change. This involves building relationships that support community capacity and autonomy as an empowered partner with government agencies. Engagement must begin early in project processes, be iterative, and allow time for communities to give informed input. This relationship building also requires sustained staff capacity. Furthermore, engagement processes must continue after projects, with respect to community capacity and their preferences as to how to remain engaged. Overburdened community members must be respected and valued as subject matter experts on their experiences, and compensated for their time and effort as they deem appropriate.

The Met Council must also continue to collaborate with other government partner agencies. This means using Met Council influence to ensure partner agencies are working together to demonstrate EJ values, explicitly looking for EJ connections in partner agencies' work and convening partner agencies to develop a shared understanding of EJ and related work throughout the region.

**Reparative Outcomes: Community benefits beyond harm mitigation**

Current environmental regulations focus solely on harm mitigation; this framework component involves prioritizing and maximizing environmental benefits to the most overburdened communities, especially where legal requirements insufficiently address regional and community concerns. Maximizing benefits and addressing community concerns are a form of reparative justice. It involves establishing practices

that maximize environmental benefits by involving communities in the selection and/or prioritization of benefits rather than solely mitigating harms. Benefits and investments from the Met Council work, and regional policies and actions resulting from Imagine 2050, must meet a community's self-identified needs, appropriately address community concerns, and provide community benefits in co-creation alongside community.

### Conditions for Success

Environmental Justice (EJ) is as much a process as an outcome. To better understand the impact of EJ implementation, there are three conditions for success the region and its policies must fulfill to successfully apply the EJ framework. The conditions for success are:

1. Expand the scope of measuring the efficacy of projects in region through a broad EJ lens.
2. Build upon current structures and processes to define EJ as a necessary and explicit component of the region's work.
3. Add overburdened community values to reconcile regional government systems and plans with EJ outcomes.

### Environmental Justice at the Met Council

The Met Council follows Federal requirements that integrate Environmental Justice (EJ) principles, such as Title VI requirements<sup>155</sup>, Justice40 initiatives<sup>156</sup> and EPA requirements. There are two Executive Orders that support EJ: Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority and Low-Income Populations*, and Executive Order 14096, *Revitalizing Our Nation's Commitment to Environmental Justice for All*. The Met Council largely conducts place-based work, and Title VI and EJ requirements set a baseline for defining geographies of communities most overburdened by climate change and EJ issues. The Met Council will use a people-based approach to our place-based work by recognizing affected populations and geographies.

The Council's EJ Framework is built upon existing work. The Council's Climate Action Work Plan (CAWP) sets a direction for EJ in the Council's operations and planning. The Met Council received a Federal Climate Pollution Reduction Grant (CPRG). Staff have compiled and analyzed regional data for the CPRG's Preliminary and Comprehensive Climate Action Plans with climate disparities data.

### Assessment and Commitments

Environmental justice-related benchmarks and metrics must be established, documented, and publicly reported. Commitments identified in the Met Council's Climate Action Work Plan (CAWP) helped set a foundation for actualizing Environmental Justice (EJ) work in the Regional Development Guide. The CAWP makes regional commitments to improving health, supporting community values, organizational accountability, implementing strategies for climate adaptation, land stewardship and improving access to resources for overburdened communities.

These commitments will serve as assessment criteria for evaluating plans, policies, and procedures with an EJ lens. To realize EJ goals at the implementation level, Met Council evaluation processes will identify local concerns (contextualized), build on local priorities (community-centered), and add benefits beyond harms (reparative) in a project cost-benefit process.

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<sup>155</sup> Metropolitan Council. (n.d.). *Discrimination and Title VI*. <https://metro council.org/About-Us/What-We-Do/Office-of-Equity-and-Equal-Opportunity/Discrimination-Complaints/Public-Service-Discrimination/Discrimination-and-Title-VI.aspx>

<sup>156</sup> The White House. (2024, February 28). *Justice40 Initiative | Environmental Justice*. <https://www.whitehouse.gov/environmentaljustice/justice40/>



## Commitments

- The Met Council commits to improving mental and physical health outcomes through our planning and project work for historically and presently overburdened communities, which include low-income communities, Black, American Indian, and communities of color, disabled, aging, and immigrant and refugee communities.
- We will uphold and advance the fundamental human and non-human right to clean, healthy and adequate air, water, land, transportation, and housing.
- We will advance economic justice so that overburdened communities are prioritized in the benefits of our plans and projects and are protected from any potential negative consequences.
- We commit to elevating the voices of overburdened communities by strengthening resources and respecting the abilities that overburdened communities have to survive, adapt, and thrive.
- We will deliberately and respectfully honor cultural relevance and history to maintain cultural heritage from the past and present for the benefit of all generations, paying particular attention to self-told narratives from Black, American Indian, and communities of color.
- We commit to being accountable for our actions and to listen and learn from overburdened communities and support their capacity to partner with government agencies.
- We commit to promoting climate strategies that enhance the ability of overburdened communities to adapt to the impacts of climate change.
- We will evaluate and integrate cumulative impacts on communities that are affected by multiple ongoing climate and health-related issues into decision making.
- We commit to advancing strategies that ensure holistic land stewardship, and to respect the inherent value of the natural world as well as the land's role in nourishing the human community.
- We commit to supporting access to jobs, housing, transportation, funding, education, healthy foods, and a clean environment for overburdened communities.
- We commit to removing barriers that prevent overburdened communities from accessing services and meaningful involvement through infrastructure, policy, and investments.

## Anti-displacement framework

This anti-displacement framework includes a definition and strategies to mitigate the inequitable consequences of public investment on neighborhoods. The framework assesses and reviews processes in public policy planning, including engagement, but may also be used during or after project or policy implementation, such as in evaluation. The anti-displacement framework provides guidance on how to integrate anti-displacement strategies into the practices and policies set by Imagine 2050.

*"You tore up my neighborhood where I grew up in, and I don't recognize it anymore."*

-Metropolitan Center for Independent Living Participant

As the region works to become more equitable, implementing an anti-displacement framework is necessary. This framework lays the groundwork for understanding who benefits and who is harmed by development, policies, and investments in the region. It can also shed light on the Met Council's impact on the region. Though displacement is, ultimately, defined by residents, it can mean a physical and involuntary, often violent, loss of one's home, community, or access to resources. It can be an economic, social, or cultural change, removal, or the loss of sense of belonging in one's community. Displacement can happen before or after development or other community changes occur and can impact an individual's physical and perceived safety in their community. The Met Council and its partner

agencies have a responsibility to prevent, mitigate, and respond to displacement of communities of color and low-wealth communities most impacted.

The Met Council's Equity Framework is the foundation for all anti-displacement efforts. Anti-displacement policies build on the equity framework of being community centered, contextualized, and reparative. The anti-displacement strategies center overburdened communities that include Black communities, American Indians, people of color, and low-income populations or communities that may experience disproportionate environmental harms and risks. This acknowledges that these communities have historically been exposed to an accumulation of negative and lack of positive environmental, health, economic, or social conditions within their populations or communities.

### **Regional history of displacement and segregation**

Historically, our region has experienced displacement in many forms. The first peoples living on this land, the Dakota People, faced violent removal and genocide at the hands of early European settlers. This initial displacement of American Indian Tribes across the state continues to be erased from history while impacting communities to this day. Today, displacement risks and inequities reflect the long history of atrocities including discriminatory federal and local policies, intimidation, and violence that has led to the displacement and ongoing erasure of American Indian Tribes, Black communities, people of color, and immigrant communities and cultural sites. These harmful outcomes were and continue to be impacted by past regional and national policies and practices.

Throughout the 1900s, practices leading to displacement and segregation included the use of racial or ethnic restrictions on housing deeds, redlining, discriminatory lending practices, the destruction of communities from the development and construction of highways, and other urban planning decisions. Many formal policies and informal practices expanded opportunities for white residents and built deep racial and socioeconomic inequities for Black, American Indian, and people of color communities and low-wealth communities. Behaviors of white residents including local racial intimidation and violence of Black, American Indian, and people of color residents in majority-white cities in the region ("sundown towns") and the migration of white residents out of neighborhoods as more diverse communities moved into neighborhoods that they had previously been excluded from ("white flight") have exacerbated the effects of formal policies.

### **Met Council investments and displacement**

In recent decades, Met Council led transportation developments, housing investments, projects resulting from grants awards, wastewater treatment plant construction, and green gentrification around parks have caused the displacement of communities, cultural sites, and thriving cultural networks. Historically, investment decisions have failed to incorporate anti-displacement strategies and mitigation tools in collaboration with communities most affected. The Met Council has also played a direct role in the disinvestment of vital infrastructure as a decision-making body determining which communities have equitable access to funding, amenities, homes, opportunities, and stable communities. This led to disparate outcomes across the region.

The Met Council acknowledges its role in the region's history of displacement, systemic racism, and inequities caused by the agency's decisions, investments, policies, and racial prejudice. These actions unjustly harmed the Dakota and American Indian people, Black communities, people of color, low-income, and immigrant communities. There have been some efforts to prevent displacement on specific regional projects. However, there is a need for a more coordinated and centralized approach to ensure transparency and accountability for all regional investments and actions.

### Conditions for success

Anti-displacement efforts are an active process of centering and empowering communities to protect their homes, access to resources, and sense of belonging from loss due to an investment or policy. To prioritize those most impacted by displacement and reduce harm, key components of anti-displacement for regional policies, processes, and systems should include the following conditions for success:

1. Preservation and strengthening of existing cultural connection
2. Creation and strengthening of community inclusiveness
3. Justice-centered; repairing historical injustices and empowering overburdened communities to co-create best practices and actions to remedy historic and ongoing harm
4. Prioritizing the well-being of overburdened communities that are most impacted by displacement

### Structure of the anti-displacement framework

The objective of the anti-displacement framework is to enhance residents' ability to keep their housing, amenities, health, and sense of belonging in a neighborhood. To achieve this objective, the Met Council has identified three strategies to implement this framework.

Met Council investments go through an anti-displacement risk assessment

Prioritize projects that support community connection and anti-displacement in our grant programs

Provide best practices and resources through engagement and collaboration with overburdened communities

1. Met Council investments go through an anti-displacement risk assessment.
  - Identify and be transparent about potential impacts of our investments.
  - Use qualitative and quantitative data to provide context and center resident experiences in the area.
  - Address community concerns not currently accounted for in Met Council processes.
2. Prioritize projects that support community connection and anti-displacement in our grant systems.
  - When possible, include prioritization in investments for projects that increase community connection, minimize displacement, are justice-centered, or focus on place-based investments.
  - Work with each division to integrate this framework into grant programs.
  - Continue to prioritize the development and preservation of deeply affordable housing across the region to allow residents to remain in their homes.
3. Provide best practices and resources through engagement and collaboration with overburdened communities.
  - Continue to work with community partners to co-create best practices for mitigating displacement.
  - Build reparative and respectful relationships with community partners.
  - Share qualitative and quantitative data as well as technical assistance among local governments.
  - Collaborate and align best practices with partners around the region.

## Community-Centered Engagement

Community-Centered Engagement intentionally puts people first and centers community perspectives in the process of Met Council decision-making. It supports the Equity Framework by addressing the conditions of success in the following ways:

- **Leading with race:** Community-Centered Engagement intentionally prioritizes engagement with overburdened communities.
- **Action-oriented:** Community-Centered Engagement includes intentional actions to highlight and amplify best practices, to address systemic inequities, and to identify policy changes that either limit or inhibit community voices.
- **Address the historical context:** Community-Centered Engagement provides space to identify and address historic and ongoing injustice. It also partners effectively with community in structuring engagement that builds capacity and meaningfully involves community in ways that repair historical harms and combat extractive practices.
- **Share power:** Community-Centered Engagement prioritizes co-creation with community and intentionally integrates co-created solutions sustainably into decision-making and implementation processes.

Community voices shaped the Public Engagement Plan created in response to the equity commitments in Thrive MSP 2040. Since that time, community voices and the experience of our public processes have identified ways to more intentionally imbed principles of equity and inclusion into engagement and decision-making processes – namely recognizing historical patterns of injustice and exclusion, and the impact of unilateral decision-making. Imagine 2050 progresses previous engagement policy in several specific ways:

- Centering community voices in regional processes
- Partnering with community as co-creators
- Committing to shared agenda setting
- Investing in community capacity building
- Focusing on assets in community and the value community voices bring to regional processes
- Prioritizing overburdened communities in engagement

## Imagine 2050 Principles of Public Engagement

Principles of the Imagine 2050 public engagement plan include:

- *Equity:* residents and communities are partners in decision-making.
- *Respect:* residents and communities should feel heard and their interests included in decisions.
- *Transparency:* residents and communities should be engaged in planning and decisions should be open and widely communicated.
- *Relevance:* engagement occurs early and often throughout a process to assure the work is relevant to residents and communities.
- *Accountability:* residents and communities can see how their participation affects the outcome; specific outcomes are measured and communicated.
- *Collaboration:* engagement involves developing relationships and understanding the value residents and communities bring to the process. Decisions should be made with people, not for people.
- *Inclusion:* Engagement should remove barriers to participation that have historically disengaged residents and communities.

- *Cultural Competence*: Engagement should reflect and respond effectively to racial, ethnic, cultural and linguistic experiences of residents and communities.

Updated practices more reflective of a community-centered approach to engagement will be included and expanded upon in implementation of Imagine 2050. For example, the Met Council has established Tribal relations policies – including both formal government-to-government consultation, staff involvement, and community engagement expertise which the Met Council will update and continue to evolve its practices, policies, and procedures with the American Indian communities including education of any changes to ensure implementation, as part of Imagine 2050 commitments. Another example, the Met Council updated its interpretation of the public purpose doctrine to include incentives and compensation for engagement and community expertise. These examples highlight the impact established systems, policies, and procedures have on relationships with communities and people throughout the region.

Community-Centered Engagement takes intentional actions to honor community expertise, addresses inequity by integrating and compensating the value of community expertise, and prioritizes processes that invite community participation and partnership. It recognizes a full spectrum of connection with community voices, from informing to co-creation. It ensures all people are represented in decision-making and that the weight of feedback from community is proportional to the impact a decision has on communities. Community-Centered Engagement represents a fundamental commitment to addressing equity in community engagement.

The following are the commitments to implementing a Community Centered Engagement approach in the projects, processes, and planning of the Met Council:

- Work to intentionally build trust with communities through Community-Centered Engagement.
- Build and sustain relationships, even outside of discrete projects.
- Co-create solutions and define clear roles for partnership and implementation.
- Act with transparency in practice and implementation.
- Dedicate financial resources, such as individual projects and division budgets, that support centering engagement across all of our work.
- Measure effectiveness, coordinated with other regional indicators and based on standards defined by communities experiencing inequities.
- Recruit for advisory committees (and other appointments) in a way that results in participants and members who are representative of the region’s diverse population.

To implement Met Council commitments to the people of this region, the following Community-Centered Engagement policies and actions are intended to implement the goals of Imagine 2050.

*Policy:*

- The Met Council will compensate community members for offering their lived experiences and perspectives to inform Met Council decision-making.
- Engagement efforts with communities affected by a decision will be intentionally planned with those communities. Engagement activities will meet communities where it is most convenient and effective for them to participate. Engagement activities will occur prior to a decision, to ensure communities have tangible impact on decisions.



- We will intentionally partner with communities to plan and execute engagement efforts. We will prioritize activities with and resources for overburdened communities. Partnership involves shared agenda-setting, shared expectations, shared outcomes, and compensation.
- Engagement activities will reflect the eight principles: equity, respect, transparency, relevance, accountability, collaboration, inclusion, and cultural competence.

*Actions:*

- Continue to advance legislative initiatives to remove prohibition of compensation for participation in Met Council committees.
- Highlight and implement best practices in government and non-profit engagement. Create case studies and convene conversations to lift up community examples and shift understandings of community expertise and power. Clarify relationships with and across levels of government to enhance coordination and reduce duplication and fatiguing community.
- Establish specific expectations related to project and program budgeting, to explicitly call out funds and resources for community engagement.
- Identify expectations for co-creation activities and create, in coordination with community experts, a framework for partnership and co-creation.
- Create a tool, in partnership with community experts, to assess and measure effectiveness of Community-Centered Engagement in including voices and addressing equity.
- Invest in and support training and skill-building activities to build capacity for engaging community among Met Council and local government staff.
- Engage community voices in validating engagement principles, defining what it means to center voices in processes, and clarifying what transparency and accountability mean in community.
- Support, through technical assistance, local governments to create more community-centered engagement processes. Identify incentives for innovation in community-centered engagement practices.

The illustration below (Table 2) highlights an engagement spectrum that pairs elements of the spectrum championed by the International Association for Public Participation (IAP2) with ways the Community-Centered Engagement Framework proposes to apply that spectrum. The spectrum identifies activities and roles with less impact to community members on the left and more impact to community members on the right.

Table 2. Engagement Spectrum

	<b>Inform</b>	<b>Consult</b>	<b>Involve</b>	<b>Collaborate</b>	<b>Co-create / Co-lead</b>
<b>Impact</b>	One-way communication	Provide access	Provide access, respond	Partner, address inequity, build capacity	Share power, share agenda, change systems
<b>Participation Goal</b>	Inform, educate about problem and potential solutions	Gather feedback and reflect concerns and interests	Work directly with people throughout the process and include concerns, ideas	Partner with constituencies in defining problems, developing alternatives, choosing solutions	Community, constituents have final decision-making power
<b>Promise to Community</b>	“We will keep you informed.”	“We will keep you informed, listen to concerns and feedback, demonstrate how feedback influenced decision.”	“We will work with you to ensure concerns and desires are reflected in the alternatives developed and demonstrate how feedback influenced the decision.”	“We will seek your advice and innovation, include your advice, and recommendations in decisions to the greatest extent possible.”	“We will set the agenda together and decide together. We will implement those shared decisions.”
<b>Sample Activities</b>	<ul style="list-style-type: none"> <li>• Fact sheets</li> <li>• Web sites</li> <li>• Email newsletters</li> <li>• Open houses</li> </ul>	<ul style="list-style-type: none"> <li>• Public comment</li> <li>• Surveys</li> <li>• Public meetings</li> </ul>	<ul style="list-style-type: none"> <li>• Workshops</li> <li>• Working/ advisory groups</li> <li>• Deliberative polling</li> </ul>	<ul style="list-style-type: none"> <li>• Shape strategies</li> <li>• Influence agenda setting</li> </ul>	<ul style="list-style-type: none"> <li>• Direct agenda setting</li> <li>• Direct decision-making</li> <li>• Establish expectations</li> </ul>

## Land, Water, and People Acknowledgment and Council Commitments to Act

Indigenous people are the first people of this country. The land we all occupy in the seven county Twin Cities region is historic and contemporary Dakota land taken from an innocent population by force through intentional genocide and broken treaties. As of the 2020 Census, the Twin Cities region has approximately 72,000 American Indian residents.<sup>157</sup> American Indians consistently have the worst disparities in income,<sup>158</sup> health,<sup>159</sup> and education.<sup>160</sup> and higher rates of homelessness<sup>161</sup> than any other vulnerable population or racial group in the region. The effects of systematic genocide persist in the perceived invisibility of the modern American Indian population despite the robust, connected, and vibrant community that lives within the seven-county region.

American Indians have inherent sovereignty and are a political group, not a racial group. Sovereignty necessitates a government-to-government relationship and as a government agency, requires the Met Council not only to take responsibility but to take action to repair harm. Sovereignty requires a different type of commitment, respect, and response. The Met Council is compelled to action to address not only historic harms but harm the Met Council itself has perpetuated through ongoing investment, occupation and control of sacred sites, discriminatory policies, and long-standing systems that support historic bad actions.

### Methodology

To acknowledge the historic harm that American Indian people in this region have survived, the Met Council established an American Indian Advisory Council to co-create a land, water, and people acknowledgment along with recommendations for Council commitments to action. The Advisory Council included highly respected members of the American Indian community in this region. Members represented Dakota, Ojibwe, Ho-Chunk, and Lakota communities and ranged from youth advocates to community elders.

The Advisory Council met ten times from March 2024 to August 2024. The structure of each meeting employed an Inside-Outside Circle format in which the Advisory Council members spoke first and led conversations while Met Council staff listened, took notes, and shared meeting summaries. Early in the process, the Advisory Council recommended that Met Council commitments to action would be more valuable and impactful than a land acknowledgement. The Advisory Council then met with Met Council staff from each regional policy area to understand Met Council roles and responsibilities and develop effective recommendations for commitments.

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<sup>157</sup> U.S. Census Bureau, 2020. Demographic and Housing Characteristic Summary File 1. URL: [data.census.gov](https://data.census.gov). This number is rounded to the nearest 1,000 and reflects people who identified with this group regardless of whether if they also identified with other groups, though knowledge within the American Indian community suggest this is an undercount.

<sup>158</sup> O'Neill, T. (2024). *Twin cities metro regional disparities by race and origin*. Minnesota Department of Employment and Economic Development. [https://mn.gov/deed/assets/24-02TC\\_tcm1045-341196.pdf](https://mn.gov/deed/assets/24-02TC_tcm1045-341196.pdf)

<sup>159</sup> Minnesota Department of Health. (2024). *The health of American Indian Families in Minnesota: a data book*. <https://www.health.state.mn.us/people/womeninfants/womenshealth/amerindianreport.pdf>

<sup>160</sup> Grunewald, R. and Nath, A. (2019). *A Statewide Crisis: Minnesota's Education Achievement Gaps*. Federal Bank Reserve of Minneapolis. [achievement-gaps-mn-report.pdf \(minneapolisfed.org\)](https://www.frb.org/education/achievement-gaps-mn-report.pdf).

<sup>161</sup> Nelson-Dusek, S., Decker Gerrard, M., & Sales, R. (2024). *Homelessness in the Twin Cities and Greater Minnesota*. Wilder Research. [https://www.wilder.org/sites/default/files/2023Homeless\\_TwinCities-GreaterMN\\_Brief1\\_6-24.pdf](https://www.wilder.org/sites/default/files/2023Homeless_TwinCities-GreaterMN_Brief1_6-24.pdf)

### **Still to Come**

The American Indian Advisory Council will submit formal public comment with an acknowledgement statement and comprehensive recommendations for commitments and actions by the Met Council. The recommendations will be reviewed by policy teams and Council members and integrated into the final regional development guide.



## Our communities are healthy and safe

All our region's residents live healthy and rewarding lives with a sense of dignity and well-being.

Safe and healthy communities for all residents are the bedrock of a flourishing region. This goal aspires for residents to enjoy not only accessible medical care, but also continued and expanded availability of nutritious and culturally desirable food, safe water, dignified and affordable housing, stabilized neighborhoods, opportunities for meaningful contribution, high-quality education and health care, time outdoors, clean air and water, accessible transportation and digital connectedness. This goal acknowledges the importance of social conditions, including welcoming, inclusive neighborhoods and freedom from violence and harassment. Positive emotions like happiness and a sense of dignity additionally support individuals' health.<sup>162</sup>

*“Don't forget to dream big and push for healthy living. Clean water and access to healthy food matters. We need to make these things accessible.”*

- Community engagement specialist and disability advocate, St. Paul

Land use, water, parks, transportation, and housing policies can support diverse community types to create a region where residents live healthy and rewarding lives. Walking and biking infrastructure and access to green spaces have positive effects on physical and mental health. Pedestrians and cyclists can be protected as they travel around the region through transportation infrastructure decisions. Community design – including public buildings, commercial areas, transportation facilities, or recreation spaces - can be accessible and welcoming to people with disabilities and diverse cultural backgrounds, increasing a sense of dignity. Housing investments focused on creating stability, safety and decency can support rewarding lives and well-being, particularly when prioritizing residents with disabilities or facing housing instability and homelessness. Economic development focused on increasing wages and dignity offers improvements in health and well-being.<sup>163</sup> Policies strive to address structural racism as the barrier to equitable health and safety. This includes the harms caused by unequal, segregated spatial distribution of resources, broken federal immigration policy, and intergenerational effects of trauma and economic exclusion.<sup>164</sup> As government entities nationwide declared racism a public health emergency in the early 2020s, the American Public Health Association developed a framework to promote policies and practices to promote racial healing and address social inequities.<sup>165</sup>

The region is home to diverse community types. However, urban, suburban, and rural communities face shared land use-related health and safety challenges such as designs discouraging physical activity, pedestrian and bicyclist safety, and traffic injuries and fatalities.<sup>166</sup> All communities have

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<sup>162</sup> American Heart Association. (2020, May 20). *How happiness affects health*.

<https://www.heart.org/en/university-hospitals-harrington-heart-and-vascular/how-happiness-affects-health>

<sup>163</sup> Blavin, F., & Gangopadhyaya, A. (2022). *How the minimum wage affects the health insurance coverage, safety net program participation, and health of low-wage workers and their families*. Urban Institute.

<sup>164</sup> Gee, G.C., Ford, C.L. (2011). Structural Racism and Health Inequities: Old Issues, New Directions. *Du Bois Rev.*; 8(1):115-132. doi: 10.1017/S1742058X11000130.

<sup>165</sup> American Public Health Association. *Healing Through Policy: Creating Pathways to Racial Justice*. 2021. [apha.org](https://www.apha.org)

<sup>166</sup> Ohio Department of Health. (2019). *Land Use and Health: Best Practices Report*. 2019.



inadequate access to grocery stores and healthy food.<sup>167</sup> Other barriers to community health and safety are more often found in specific communities. Rural areas and suburban communities experience more social isolation, loss of farmland, and contaminated water sources.<sup>168</sup> Council partnerships with local public health and community organizations are essential to address context-specific land use-related health and safety challenges.

The Council elaborated this goal through reviewing how these issues were discussed in comprehensive plans, resident engagement, Council Member meetings, and Council advisory groups, as well as by drawing from national and international expertise. The goal of healthy and safe communities interacts with all other regional goals. Safety, physical and mental health, community connection and respect are needed to create an inclusive, equitable region. Residents need the health benefits of access to the outdoors and a clean environment. The region's residents will be healthy and safe when underinvested communities have equitable access to resources to protect them from climate impacts. A dynamic and resilient region contributes to safety and a sense of dignity through providing choice, access, and affordability to all residents. The Council commits to continuously listening to stakeholders to understand how communities define these issues. Policies will be implemented using community definitions in meeting these goals.

### **Health and safety begin in communities**

The health of the region's residents depends on built and natural environments that support well-being as people live, learn, work, and play.<sup>169</sup> Premature mortality, excess medical care costs, and lost labor market productivity due to racial and ethnic health inequities cost residents of color or without a college degree a staggering amount, estimated at over 4 billion dollars (figure 3).<sup>170</sup> Policy initiatives focusing on closing health inequities create social and economic benefits to the region and its residents. People of color or without a 4-year college degree are more likely to live in places with health risks due to the built environment.<sup>171</sup> Health inequities based on race, ethnicity and educational attainment come from differential exposure to environmental risks, access to health care, and availability of socioeconomic opportunities.

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<sup>167</sup> Ramsey County Public Health. Healthy Food Access. 2018.

[https://www.ramseycounty.us/sites/default/files/Departments/Public%20Health/CHA/Healthy%20Food%20Access\\_final.pdf](https://www.ramseycounty.us/sites/default/files/Departments/Public%20Health/CHA/Healthy%20Food%20Access_final.pdf)

<sup>168</sup> Ohio Department of Health. Land Use and Health: Best Practices Report. 2019. [ohio.gov](https://www.ohio.gov).

<sup>169</sup> Robert Wood Johnson Foundation. Understanding the Social Determinants of Health.

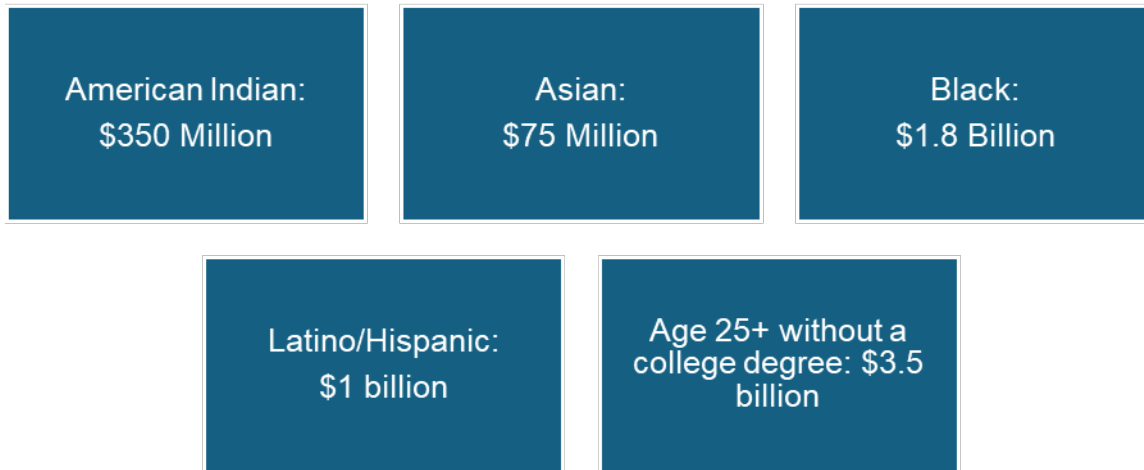
<https://www.rwjf.org/en/our-vision/focus-areas/healthy-communities-social-determinants-of-health.html>

<sup>170</sup> LaVeist TA, Pérez-Stable EJ, Richard P, et al. The Economic Burden of Racial, Ethnic, and Educational Health Inequities in the US. *JAMA*. 2023. [Accessed July 22, 2024]. [jamanetwork.com](https://jamanetwork.com). For details on how the estimated cost burdens were calculated, please contact the Met Council Community Development - Research team.

<sup>171</sup> U.S. Department for Health and Human Services. Neighborhood and Built Environment Healthy People 2030 Objectives. [health.gov](https://www.health.gov)

Figure 3. Estimated economic burdens to the region's residents due to health inequities.<sup>172</sup>

**How much do health inequities cost the region's residents?** The total estimated economic burden is over \$4 billion. Disaggregating by 2020 Census demographics, the economic burden to residents is conservatively estimated as:



The Healthy & Safe goal includes both physical and mental health. The region ranks high overall in terms of some mental health infrastructure, including high access to recreational amenities, health insurance, and green spaces. However, almost 30 percent of the region's residents in 2021 experienced one or more days each month when their physical health status was not good.<sup>173</sup> This rose to more than 40 percent for mental health, worse than the national average.<sup>174</sup> Healthy communities provide residents with opportunities for wellness and happiness. Imagine 2050 can support wellness through policies that expand opportunities to support individuals' healthy choices, support neighborhoods that are welcoming and safe, and encourage meaningful social connections with others. Interventions and policy changes at the local level such as adding sidewalks, reducing noise exposure, and lowering the proportion of housing-cost burdened households have all been identified as supports to social determinants of health in the federal Healthy People 2030 initiative.<sup>175</sup> Regional policy to achieve the Healthy People 2030 objectives within the region supports residents' health and safety.

Development decisions contribute to creating positive health outcomes. Mixed-use and transit-oriented development (TOD) land use policies provide demonstrated benefits through providing communities with increased physical activity and social connection while potentially lowering crime and stress

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<sup>172</sup> Some of the burden to residents estimated for race/ethnicity are again part of the calculated education-based education burden because of the substantial race-based inequities in educational opportunity. The \$4 billion economic burden for the region is a conservative estimate.

<sup>173</sup> Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Population Health. (2015). BRFSS Prevalence & Trends Data. [nccd.cdc.gov](https://nccd.cdc.gov).

<sup>174</sup> Ibid.

<sup>175</sup> U.S. Department for Health and Human Services. (2020). Neighborhood and Built Environment Healthy People 2030 Objectives. [health.gov](https://health.gov)

levels.<sup>176</sup> Residents throughout the region told the Council how much they valued cultural landscapes – spaces that reflect diverse cultures, histories, human necessities and lifestyles. Walkable and interconnected communities, compact development, and green space for elements like community gardens increase positive emotions associated with mental health, like happiness.

### **Social connection combats the loneliness epidemic**

Residents told the Council that pandemic isolation frayed community ties. They are eager to connect with their community and people beyond. They desire to feel a sense of trust in everyday interactions with others. Social connection creates happiness, belonging, job opportunities, and safety.

Social isolation and loneliness have catastrophic effects for individual health and the U.S. economy. They affect two-thirds of adults and almost ¾ of young people. Older adults, particularly from immigrant and LGBTQ communities, are vulnerable to loneliness and the health risks associated with it.<sup>177</sup> Systemic issues, in the form of racial exclusion, lack of affordable childcare, spatial segregation, lack of broadband access and an auto-dependent transportation system inequitably exacerbate social isolation. While mistakenly viewed as solely a personality or lifestyle issue, social connection emerges from intentional community design and systems, too.

Despite documented positive effects of social connection, the issue is relatively underrecognized in policy efforts. The U.S. Surgeon General called on local governments to address the issue through policy, including stable housing and safe neighborhoods with amenities for outside play for youth.<sup>178</sup> Transportation systems connect residents to vital social relationships found in family, friends, coworkers, and neighbors. These connections, in turn, provide networks needed for access to jobs, education, health care and other opportunities.

*“After COVID-19, there’s been a significant effect on a lot of community places and initiatives. People aren’t as social as they used to be at holidays. They used to dance. They were out there. Mercado Central had a few immigration raids. Post-COVID ICE raids and riots created a community that is more focused on staying safe and holding on to the last bit of stability in their life instead of a community that flourishes.”*

- Receptionist and college student,  
Bloomington

### **A built environment where residents “feel seen” cultivates a sense of dignity**

A sense of dignity is the feelings of worth and status that all humans should experience equally. A safe place to live, secure transportation access, and respectful communities emerge from effective policy and potentially contribute to residents’ sense of dignity. Young people advising the Council used the term “feeling seen” to describe built environments that conveyed a message of their worth and value. Having culturally appropriate food at the local store or businesses serving residents in their preferred language are ways residents reported feeling seen.

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<sup>176</sup> County Health Rankings & Roadmaps. Zoning regulation and land use policy reforms.

[www.countyhealthrankings.org](http://www.countyhealthrankings.org); Langlois, M., Wasfi, R.A., Ross, N.A. and El-Geneidy, A.M., 2016. Can transit-oriented developments help achieve the recommended weekly level of physical activity? *Journal of Transport & Health*, 3(2), pp.181-190. [sciencedirect.com](http://sciencedirect.com)

<sup>177</sup> Center for Disease Control. Loneliness and Social Isolation Linked to Serious Health Conditions. 2021. [cdc.gov](http://cdc.gov)

<sup>178</sup> Protecting Youth Mental Health: The U.S. Surgeon General's Advisory. 2021. [hhs.gov](http://hhs.gov)

The Council can support community efforts through policies that cultivate respect and belonging through placemaking. The development or redevelopment of the built environment makes a difference. This begins with community-centered engagement and respect for Indigenous and cultural rights and extends with transparent, accountable planning efforts and accessible design. The treatment of workers during construction and management of land development as well as the support of end users' physical and mental health in the resulting infrastructures contribute to a sense of dignity. Experiences with Council systems and with the built environment contribute to feeling seen or disregarded. For example, placemaking efforts in neighborhoods, apartment buildings, and transit stops can tell stories that tell an inclusive history of the region.

**Figure 4. Creative placemaking activities create a sense of place.** Ramsey County parks display artistic signage (left), and St. Paul residential roads close as Play Streets (right). These community collaborations invite residents to feel seen, respected, and safe. (Photo credits: Metropolitan Council and StreetsMN.)



### **Rewarding lives are created in communities where residents feel safe and respected**

A sense of safety emerges from both protection from harm and a sense of connection with others. Residents advising the Council about what they needed in their communities described these dual aspects as safety from violence, harassment, a polluted environment and accidents (protection from vulnerability) and connection with others (feeling a part of a community, trust among strangers in public spaces, opportunity to meet new people). Safe drinking water and breathable air contribute to safety. Access to safe and welcoming housing, freedom from racist or gender-based harassment or policing, and freedom of movement without violence create feelings of safety. Predictably respectful treatment while spending time outdoors, travelling in the region or using Council systems all contribute to positive emotions and individual sense of dignity.

### **Healthy and Safe Communities in Imagine 2050**

#### **Access to nature is highly valued and creates healthy communities**

Across the region, visits to parks, lakes, rivers and trails increased during the peak of pandemic social distancing. Public awareness about the importance of access to natural spaces expanded. Residents told the Council in *Imagine 2050* engagement that access to nature was of the highest priority and the most important quality of life feature of our region. They treasure not only time in regional parks and trails, but also connections to everyday nature like neighborhood trees, bird-friendly planted areas, unbuilt open spaces, and community gardens.

Getting outdoors reduces medical costs, increases community trust, and provides health benefits. Visiting parks and trails increases physical activity and reduces risks of various chronic illnesses. Time



in nature results in positive emotions like calmness, joy, and creativity. It results in stress reduction, attention restoration, enhanced spiritual wellness, and improved cognitive functioning. Social connections from outdoor activity increase social capital and family bonding. Parks and open space support public health through reducing the effects of urban heat islands and filtering the air we breathe.<sup>179</sup>

Residents' ability to access nature is essential for individual well-being, community health, and social connection. Council engagement revealed that people feel a reverence for and desire to live in community with non-human species. American Indian residents describe this desire as co-existence with plant and animal relatives, indicating a deeper interconnectedness of social relationships among all. Thriving habitats for more-than-human species deepens human residents' connections to nature, fostering health for all.

A flourishing region is one with no social disparities in access to the outdoors. So that all enjoy the health benefits of getting outside, social, geographic, and cultural barriers must be overcome to create equitable outdoor access by race, age, income, and ability.<sup>180</sup> Natural systems degradation such as water pollution, litter, climate change-induced flooding, and deferred maintenance needs to be mitigated and prevented. These challenges require policy commitments to ensure that inequities or degraded natural systems do not deny access to the benefits of getting outside and the flourishing of the region's species – human and non-human.

### **Access to a clean environment is vital to public health**

A clean, livable environment is a prerequisite for health, supporting healthy brain and body function, growth, and development.<sup>181</sup> This includes clean water and air, as well as relief from the impacts of heat and transportation-related noise. The very young, older residents, and those with chronic health conditions are particularly vulnerable. Overburdened and underinvested communities within the region endure additional barriers to accessing a clean environment.

The Twin Cities metro region relies on clean, abundant water to drink, recreate, and rejuvenate. Lakes, rivers, and groundwater aquifers are threatened by pollutant-loaded runoff, current and emerging contaminants, and uncertainties in future conditions. These concerns are due to a growing population, climate change, and long-term contaminants. In rural areas, well-water users, particularly poorer residents, rely on regulatory protection from shortages caused by excessive agricultural aquifer water draws.<sup>182</sup> Across the region, many areas with contaminated groundwater risk losing well use or paying high costs for water treatment.

### **Surveyed residents' top 5 reasons for protecting lakes and rivers were:**

1. For safe and clean drinking water
2. Equitable access to clean drinking water
3. Future generations,
4. Equitable access to public waters for all Minnesotans
5. Habitat for fish and wildlife survival

Source: Metropolitan Council's Value of Water in the Twin Cities Region Survey

<sup>179</sup> Gómez-Baggethun, E. & Gren, A. Urban ecosystem services. (2013). In T. Elmquist et al. (eds.), *Urbanization, Biodiversity and Ecosystem Services: Challenges and Opportunities: A Global Assessment*, pp. 175-251.

<sup>180</sup> Metropolitan Council. 2021 Parks and trails visitor study. 2022. [metro council.org](https://metro council.org)

<sup>181</sup> County Health Rankings & Roadmaps. Air and water quality. 2022. [Countyhealthrankings.org](https://countyhealthrankings.org)

<sup>182</sup> Rojanasakul, M, & Searcey, D. (September 3, 2023). Big Farms and Flawless Fries Are Gulping Water in the Land of 10,000 Lakes. New York Times. [nytimes.com](https://nytimes.com)



The Met Council makes a critical contribution to the region's water quality as it cleans and returns 250 million gallons of wastewater per day. As a result, the region's population and others downstream enjoy clean water resources that protect public health and provide recreational opportunities. Strong regional water policies restore and protect the quality of our waters. Recognizing the connections between groundwater, lakes, streams, and rivers, wastewater, and stormwater protects water quality. Collaboration is needed with all people and organizations who care about our region's water.

Clean air protects residents from dementia, asthma, cardiovascular and heart disease, chronic obstructive pulmonary disease (COPD), and many cancers.<sup>183</sup> Traffic-related particulates, including exhaust emissions as well as tire and brake particles, impact neighborhoods and indoor spaces across the region. Neighborhoods are disproportionately affected where larger percentages of residents live who are Black, American Indian, people of color, people who have low incomes, people who do not have health insurance, and people with disabilities.

Additional health benefits are gained from an environment free of excessive noise exposure and the effects of extreme heat. When buildings and roads are designed to lower noise exposure and communities consider excessive noise implications in development decisions, potential public health benefits are numerous and well-documented. Residents experience lower risks for heart attacks, cardiovascular disease, strokes, sleep disturbances, and cognitive issues.<sup>184</sup> Healthy communities support residents through natural and built environments to reduce urban heat islands and provide access to support services like cooling centers.<sup>185</sup> Reduction of these environmental hazards supports healthier communities through lower incidents of asthma, heat stroke, and violence.<sup>186</sup>

### **Quality housing choices throughout the region create safety, well-being, and dignity**

Housing is a foundation for improving health, reducing homelessness, and providing a platform to build stability in other areas of life. Housing quality affects physical and mental health. Safe housing protects inhabitants from lead poisoning, bodily injury such as falls, and asthma.<sup>187</sup> The region's housing stock can protect health and safety through resilience to the effects of climate change. Affordable housing needs to be close to cooling green spaces and far from urban heat islands. Quality affordable housing needs to be built and maintained to a high standard. Many residents lack dignified housing, especially those experiencing housing insecurity and homelessness. Averting or addressing homelessness prevents individuals from developing new health problems and from worsening existing health issues.<sup>188</sup> Youth are disproportionately affected. In 2023, 41% of people experiencing homelessness

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<sup>183</sup> American Lung Association. (2020). Health impact of air pollution. [lung.org](https://www.lung.org)

<sup>184</sup> Hammer, M.S., Swinburn, T.K., Neitzel, R.L. (2014, February). Environmental noise pollution in the United States: Developing an effective public health response. *Environmental Health Perspectives*. 122(2):115-9. [nih.gov](https://www.nih.gov)

<sup>185</sup> U.S. Global Change Research Program. Chapter 2: Temperature-related death and illness. *The impacts of climate change on human health in the United States: A scientific assessment*. [globalchange.gov](https://www.globalchange.gov)

<sup>186</sup> Miles-Novelo, A., Anderson, C. A. (2022). *Climate Change and Human Behavior: Impacts of a Rapidly Changing Climate on Human Aggression and Violence*. Cambridge: Cambridge University Press.

<sup>187</sup> Bergeron, E. (2019). Adequate housing is a human right. *Human Rights Magazine*. Vol 44, No.2: Housing. [americanbar.org](https://www.americanbar.org)

<sup>188</sup> National Health Care for the Homeless Council. (2019). Homelessness & health: What's the Connection? [nhchc.org](https://www.nhchc.org)

were children and youth (under age 24), despite being only 32% of the region’s population.<sup>189</sup> Investments in expanding quality housing choices results in higher levels of positive emotion and mental health.<sup>190</sup>

Quality housing choices meet all residents’ needs, are located where residents want to live, are affordable for the long term, and form a part of a connected cultural landscape. Inclusive housing options for diverse populations, including seniors, people with disabilities, and multigenerational households, ensure people can live close to desired social connections, education and economic opportunities. In the short term, tenant protections and housing preservation programs for naturally occurring affordable housing help ensure people live in the neighborhoods of their choice. In the long-term, the Council tracking of anti-displacement ordinances and their effectiveness can provide guidance for best practices to avoid displacement.<sup>191</sup> Housing located close to spaces that reflect diverse cultures, histories, human necessities and lifestyles support well-being. These flourishing cultural landscapes enhance access to community and cultural connection contribute to the building of rewarding lives.

*“Being homeless could come fast and easy. It’s a scary feeling living with instability. We need more affordable housing and giving people a chance. I want to feel stable.”*

- Resident, Little Earth Community, Minneapolis

Many residents envisioned home ownership as part of a rewarding life. The Council heard in *Imagine 2050* engagement that residents valued the opportunity to build wealth and have increased autonomy. Quality homeownership is not equitably accessible. Black homeownership is well below the national average due to redlining, the destruction of Black neighborhoods, predatory lending, and lack of intergenerational wealth due to systemic racism. Asian, American Indian, and Latinx populations have lower rates of homeownership compared with White populations. As of 2023, the Twin Cities region was making progress in increasing housing supply, building more affordable housing, and expanding the number of Black homeowners.<sup>192</sup> However, more needs to happen to make these changes permanent and reduce this barrier to equitable access to healthy, rewarding lives.

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<sup>189</sup> Wilder Research. (2023). Minnesota Homeless Study: Single night count of people experiencing homelessness: Minnesota homeless study counts fact sheet. [Wilder.org](http://Wilder.org)

<sup>190</sup> Riva A., et. al. (2022, November 30). Can Homes Affect Well-Being? A Scoping Review among Housing Conditions, Indoor Environmental Quality, and Mental Health Outcomes. *International Journal of Environmental Research in Public Health*. 19(23). [www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov)

<sup>191</sup> Chapple, K., Loukaitou-Sideris, A., Miller, A., & Zeger, C. (2023). The Role of Local Housing Policies in Preventing Displacement: A Literature Review. *Journal of Planning Literature*. 38(2), 200-214.

<sup>192</sup> Minneapolis Federal Reserve. 2024. Twin Cities region meets ambitious housing goals for a second year but has much work left to do. [Minneapolisfed.org](http://Minneapolisfed.org)

## Social connection and rich cultural landscapes nurture healthy, rewarding lives for the region's residents

A rewarding life includes the opportunity to make meaningful contributions and feel respected and valued within the community. Social connections and community involvement contribute to a rewarding life. However, many people in the region struggle to form stronger social ties and feel a part of the community. Rural communities have higher levels of social isolation, as do younger and older adult residents. Immigrants face barriers to connection due to language and cultural barriers in addition to the need for new social networks. The COVID-19 pandemic further decayed people's social interconnection. As more people work from home and more educational and social opportunities move online, people experience the lack of depth in social interaction and feelings of disconnection from society. The social isolation and distress brought on by the pandemic impacted mental health, leaving a lasting impact on wellbeing.<sup>193</sup>

*"Having a walkable city is good for basically everything. It reduces the carbon footprint of the city. It increases the use of transportation. Having places that are walkable is good for the health of the citizens."*

- High School Senior, Scott County

To address these challenges, planning strategies such as equitable transit-oriented development (e-TOD) foster community and social connections. E-TOD brings people together and allows more social opportunities by increasing interactions through mixed-use neighborhoods. Walkable neighborhoods encourage social interactions, contributing to happiness and feelings of trust in others.<sup>194</sup> Sustainable, diverse, and compact development enhances cultural landscape by supporting a diversity of spaces to create feelings of belonging. These types of development not only celebrate unique cultural identities in different communities, but also foster the sense of pride and belonging among residents.

## Safety, comfort, and belonging while traveling is important for well-being

People have a wide variety of needs to feel safe, comfortable, and welcome while traveling. Travel experiences can vary depending on traveler's social identities, such as race and ethnicity, gender, age, and disability. Facilities beyond traditional transportation infrastructure can be crucial for supporting safety and comfort, especially for people traveling by walking, rolling, biking, and transit. Being able to safely arrive at destinations or home should be a hallmark of a reliable, safe transportation system.

Policies resulting in lower stress and anxiety in travel can support the goal of healthy and safe communities. When walking, rolling, or bicycling, policies can support feelings of safety around vehicle traffic, inclement weather, or personal well-being. Transit stop and crosswalk design, additional bus shelters, warming and cooling stations and other policies can reduce traveling stress. Drivers can feel stress in different contexts, including some from traveling at high speeds on highways, in unexpected congestion, in interactions with aggressive drivers, or after near-misses or crashes. Policies to reduce exposure to these stressors can create conditions that foster well-being for people who drive.

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<sup>193</sup> Penninx, B.W.J.H., Benros, M.E., Klein, R.S. *et al.* (2022). How COVID-19 shaped mental health: from infection to pandemic effects. *Nature Medicine* 28. [nature.com](https://www.nature.com)

<sup>194</sup> Leyden, Kevin M., Michael J. Hogan, Lorraine D'Arcy, Brendan Bunting, and Sebastiaan Bierema. (2024). "Walkable neighborhoods: Linkages between place, health, and happiness in younger and older adults." *Journal of the American Planning Association* 90, no. 1 (2024): 101-114. [tandfonline.com](https://www.tandfonline.com)



## **Our region is dynamic and resilient**

**Our region meets the opportunities and challenges faced by our communities and economy including issues of choice, access, and affordability.**

The wellbeing of residents in the Twin Cities depends on a dynamic and resilient region. The social and economic vibrancy of the region starts with a robust and inclusive economy. Our region has numerous assets that make it an attractive place to live in, but it also faces many challenges that threaten the quality of life of its residents.

Many of our challenges emanate from the racial inequities that continue to fray the region's social and economic fabric. These disparities stifle our economy and threaten the stability of our communities. A dynamic and resilient region requires a robust and socio-economically inclusive economy. The region needs to address existing racial disparities to alleviate structural economic problems such as workforce shortages, housing affordability issues, limited spending, and lagging business formation. For the region to remain competitive, it needs to have an economy where everyone can engage as entrepreneurs, innovators, employees, and consumers.

In an ever-changing world, the region needs the resilience to withstand and recover from various shocks and disruptions. While our economy has certain features that boost the region's resilience, it also displays characteristics that make the region vulnerable to abrupt changes. Factors such as workforce stability, industrial diversity, economic competitiveness and energy dependency impact the region's resilience.

The region is also facing new climate change-related vulnerabilities, which impose significant and escalating personal and economic burdens on our residents. A dynamic economy will boost the region's resilience, which is necessary to withstand the environmental and economic shocks introduced by climate change. Responding to these shocks requires resources and a proactive approach to climate mitigation and adaptation. The region is well-poised to take advantage of the many economic opportunities created by climate change by investing in a green economy that can grow in an inclusive fashion.

### **Our region's economic assets**

The Twin Cities region boasts numerous economic assets that contribute to its robust and dynamic economy. The region offers a cultural scene with numerous theaters, museums, art galleries, music venues, and festivals throughout the year. The region has consistently been recognized for its high levels of educational attainment, high workforce retention and productivity, and low unemployment.

The Twin Cities region has a strong economic base with a diversity of nation-leading sectors like healthcare, finance, technology, manufacturing, and education, including several Fortune 500 companies. The metro has substantial shares of the national market in Printing and Publishing, Finance, Insurance, Health Services, Medical Devices, Metal Products, Machinery and Technology. The area is also home to several prestigious colleges and universities, which attract students from around the world.

Minnesota-based venture capital investments are concentrated in healthcare and technology sectors. The Twin Cities is the only area in the state with consistent gains in startup job creation in the past

decade (2010-2019).<sup>195</sup> From 2020 to 2021, new business applications spiked across the state. Despite underrepresentation of Black, American Indian, and people of color and women-owned businesses in the state's economy, Minnesota's population of entrepreneurs of color is growing and outperforming their peers on a national level.<sup>196</sup>

Minnesota is increasingly recognized as a welcoming and inclusive place for LGBTQIA individuals. The state has enacted laws prohibiting discrimination based on sexual orientation and gender identity in employment, housing, and public accommodations. Same-sex marriage has been legal since 2013. In April 2023, Minnesota passed a bill to protect gender-affirming services and care.

Unlike most U.S. metros, the Twin Cities region benefits from a coordinated regional planning and taxbase sharing arrangement, which foster cohesive development. The Met Council plays a crucial role in the economic vitality of the region by overseeing regional planning, transportation, and wastewater services. This unique planning body coordinates efforts across the seven-county metropolitan area, ensuring efficient infrastructure development, sustainable growth, and equitable resource distribution. By managing public transit systems like Metro Transit, the Council supports workforce mobility and promotes economic activity. Additionally, the Met Council's focus on affordable housing and environmental stewardship helps maintain a high quality of life.

## What holds our economy back now and in the future

### Inequities contribute to current workforce shortages

While the region enjoys numerous assets that contribute to its dynamic and robust economy, not all residents enjoy its prosperity, nor are they insulated from economic downturns. This poses significant challenges to the region's growth and stability.

The region's economic growth has been slowing and is forecasted to slow in the next three decades.<sup>197</sup> Between 2018-2023, the region has experienced almost no job growth, ranking last among peer regions.<sup>198</sup> There is regional consensus that this is mainly due to the existing workforce shortage. Despite nationally low unemployment rates, the region struggles to fill thousands of jobs, indicating a tight labor market.<sup>199</sup> In fact, Minnesota's labor shortage has been among the country's most stark, with just 51 unemployed workers for every 100 unfilled jobs.<sup>200</sup> With baby boomers retirements expected to peak in the next ten years and just enough younger workers to backfill vacancies, shortages may continue to constrain economic growth.

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<sup>195</sup> Barkley Brown, Raj. "Despite Recent Gains, Minnesota's Entrepreneurs of Color Face Persistent Barriers." *Federal Reserve Bank of Minneapolis*, 6 July 2021, [www.minneapolisfed.org/article/2021/despite-recent-gains-minnesotas-entrepreneurs-of-color-face-persistent-barriers](http://www.minneapolisfed.org/article/2021/despite-recent-gains-minnesotas-entrepreneurs-of-color-face-persistent-barriers).

<sup>196</sup> Ibid..

<sup>197</sup> Metropolitan Council. "The Regional Forecast: Population and Employment in the Twin Cities Region in 2050." 2023 Update.

<sup>198</sup> U.S. Bureau of Labor Statistics, Current Employment Statistics. Peer regions include 15 metros with over 1.5 million jobs.

<sup>199</sup> O'Neill, T. "The Twin Cities' Labor Market in 2023." *Minnesota Department of Employment and Economic Development*. June 2023. <https://mn.gov/deed/newscenter/publications/trends/june-2023/metro.jsp>

<sup>200</sup> Cates, L. (2024, July 30). *Understanding America's labor shortage: The most impacted states*. U.S. Chamber of Commerce. <https://www.uschamber.com/workforce/the-states-suffering-most-from-the-labor-shortage?%20state=mn> <https://www.uschamber.com/workforce/the-states-suffering-most-from-the-labor-shortage? state=mn>



The Twin Cities metro has a mixed record of attracting talent from elsewhere. The region, which recently lost as many young professionals as it attracted, needs to develop local talent to expand its workforce.<sup>201</sup> This poses unique challenges as the region still has gaps in training and career pathways that hinder workforce development for key industries.<sup>202</sup> Existing racial inequities in educational attainment levels and unemployment rates continue to limit the growth of the local workforce and squander valuable human talent. Eliminating inequities in the share of unemployed people in the working-age population could add 41,000 Black, American Indian, and workers of color back into the economy.<sup>203</sup> This compares to 98,000 unfilled job vacancies in the region.<sup>204</sup> As our region's workforce continues to grow in racially diversity, it is crucial to address the systemic inequities hindering Black people, American Indian people, people of color, immigrants, and people with disabilities from full workforce participation.

To meet its workforce needs, the region increasingly relies on immigrants, who contribute considerably to the region's economy as taxpayers, business owners, and workers.<sup>205</sup> They offer a swift influx of fresh talent amidst an ageing U.S.-born workforce, bolstering the region's workforce.<sup>206</sup> Yet, barriers that impede their access to job opportunities continue to hamper economic growth. Difficulty in recognizing foreign credentials in the local job market, language barriers, and discrimination in the hiring and promotion processes are among these barriers. Moreover, undocumented immigrants often fear deportation, which can deter them from seeking higher-paying employment opportunities or investing in their education or businesses.

Health care, retail, and accommodation and food services are among the industries with the highest vacancies.<sup>207</sup> Most of these jobs require very little formal education—a fact that lowers barriers to entry into the workforce.<sup>208</sup> Despite this, the region cannot attract workers to fill these positions, partially due to low wages. The median wage of unfilled job openings in the region stands at \$19.96, well below the

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<sup>201</sup> The net migration of the population aged 25-34 hovered around zero between 2019 and 2023.

<https://www.minneapolisfed.org/article/2024/twin-cities-metro-migration-dashboard>

<sup>202</sup> O'Neill, T. (2024). *Twin Cities Metro Regional Disparities by Race and Origin*. Minnesota Department of Employment and Economic Development. [https://mn.gov/deed/assets/24-02TC\\_tcm1045-341196.pdf](https://mn.gov/deed/assets/24-02TC_tcm1045-341196.pdf)

<sup>203</sup> Metropolitan Council staff analysis of Census Bureau, ACS PUMS, 2022 data.

<sup>204</sup> Minnesota DEED, Job Vacancy Survey, 2022. <https://apps.deed.state.mn.us/lmi/jvs/Results.aspx>

<sup>205</sup> O'Neil, T. (2023) *The Importance of Immigration in the Twin Cities Metro Area*. Minnesota Department of Employment and Economic Development. [https://mn.gov/deed/assets/082223\\_immigration\\_TC\\_tcm1045-324882.pdf](https://mn.gov/deed/assets/082223_immigration_TC_tcm1045-324882.pdf)

<sup>206</sup> O'Neil, T. (2023) *Spotlight: A Changing Workforce in the Metro Area*. Minnesota Department of Employment and Economic Development. <https://mn.gov/deed/newscenter/publications/review/december-2023/spotlight.jsp>

<sup>207</sup> Together these three industries accounted for over half of the region's total job vacancies. Tim O'Neill, "The Twin Cities' Labor Market in 2023." June 2023. <https://mn.gov/deed/newscenter/publications/trends/june-2023/metro.jsp>

<sup>208</sup> O'Neill, T. (2023). *The Twin Cities' Labor Market in 2023*. Minnesota Department of Employment and Economic Development. For the minimum educational requirements of these occupations, see Employment Outlook Projections. <https://mn.gov/deed/data/data-tools/employment-outlook/>

living wage of \$25.<sup>209</sup> Most workers of color and immigrant workers earn even lower wages because they are overrepresented in lower-paying occupations due to occupational segregation.<sup>210</sup>

This wage profile makes affording housing difficult, making the region less accessible to potential workers. While housing in the region is relatively affordable compared to other metros, this is not the case for all residents in the region. In fact, the region's Black households, American Indian households, households of color, and low-income households disproportionately struggle with housing affordability.<sup>211</sup> Moreover, increases in incomes have not kept up with the rising home prices and rents, which have climbed faster than incomes.<sup>212</sup> These factors, which increase housing cost burden for many Black households, American Indian households, households of color, deter them from moving to the region, exacerbating the region's labor shortages as older adults retire and leave the workforce.

The region's racial income disparities are another factor that stifles the economy. On average, Black people, American Indians, and people of color have lower incomes compared to their white counterparts.<sup>213</sup> This limits their purchasing power and suppresses economic growth by dampening consumer spending, a crucial driver of economic activity. Overall, increased consumption creates a positive feedback loop in the economy, driving production, business expansion, and job creation. This, in turn, further stimulates consumption, thereby fostering economic growth and employment opportunities in the region. If existing earnings gaps between the region's Black residents, American Indians, and residents of color and white residents were eliminated, it could inject nearly \$11 billion into the economy and significantly boost consumer spending.<sup>214</sup>

In the context of a rapidly aging and rapidly diversifying workforce over the next 30 years, the racial inequities described here as already impeding economic outcomes will become greater threats to the region's economic prosperity and resilience over the next 30 years.

### **Missed opportunities in business formations, entrepreneurship, and diverse industry mix**

The region also struggles with slowing job growth partly because it trails peers in new business formations.<sup>215</sup> Venture capital flows into the region historically have been limited and have declined significantly since 2020.<sup>216</sup> On the positive side, the region has secured large investments in nationally competitive sectors ranging from health care, med-tech, food and agriculture to data centers and high-

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<sup>209</sup> O'Neill, T. (2023). *The Twin Cities' Labor Market in 2023*. Minnesota Department of Employment and Economic Development; Center for Economic Inclusion. (2024). *Standing in the Gap: The Case for Family Sustaining Wages in Minnesota*. p. 8.

<sup>210</sup> Center for Economic Inclusion. (2024). *Standing in the Gap: The Case for Family Sustaining Wages in Minnesota*. <https://www.mcknight.org/wp-content/uploads/Family-Sustaining-Wages-Center-for-Economic-Inclusion-Report-2.pdf>

<sup>211</sup> [https://metro council.org/Housing/Planning/Housing-Policy-Plan-Dashboard/Housing-Dashboard-Cost-Burden-\(1\).aspx](https://metro council.org/Housing/Planning/Housing-Policy-Plan-Dashboard/Housing-Dashboard-Cost-Burden-(1).aspx)

<sup>212</sup> Metropolitan Council analysis of median home values, median rents, and median incomes between 2010 and 2022.

<sup>213</sup> O'Neill, T. (2024). *Twin Cities Metro Regional Disparities by Race and Origin*. Minnesota Department of Employment and Economic Development. [https://mn.gov/deed/assets/24-02TC\\_tcm1045-341196.pdf](https://mn.gov/deed/assets/24-02TC_tcm1045-341196.pdf)

<sup>214</sup> Metropolitan Council staff analysis of Census Bureau, Quarterly Workforce Indicators data.

<sup>215</sup> Minnesota Chamber of Commerce, "2024 State of Business Retention and Expansion in Minnesota."

<sup>216</sup> The region ranked 19<sup>th</sup> among the top 50 metropolitan areas. Between 2020 and 2023, venture capital flow into the region declined by 48%. *Guide: Dealroom*. Retrieved July 2, 2024. <https://dealroom.co/guides/usa>

tech manufacturing.<sup>217</sup> Despite these notable investments, the region overall has failed to attract as much investment as it has sent out, resulting in net deficits in terms of employment.<sup>218</sup>

Business formation in the region is also slow due to the underutilization of existing entrepreneurial potential for small businesses. New businesses, especially small ones, generate job creation. In fact, small businesses (less than 20 jobs) have created 48% of the region's employment growth since the pandemic.<sup>219</sup> However, the region does not take full advantage of its small business potential, with entrepreneurs of color and immigrant entrepreneurs starting businesses at lower rates than their share of the population.<sup>220</sup>

Entrepreneurs of color and immigrant entrepreneurs face significant barriers in access to capital, which limits their inclusion in the regional economy and overall success. BIPOC entrepreneurs are less likely to secure business loans, and when they do, the loans are smaller than those obtained by their white counterparts.<sup>221</sup> As a result of limited capital access, BIPOC-owned businesses tend to be smaller and generate less revenue.<sup>222</sup> In addition, businesses owned by people of color or immigrants are concentrated in different industries than white-owned businesses. The economic sectors where BIPOC-owned firms are most common tend to have lesser revenues and fewer employees.<sup>223</sup> To maximize the job creation capacity of small businesses, the region needs to take full advantage of its entrepreneurial potential and address racial disparities in access to capital and participation in entrepreneurial activities.

The industry composition of the region's economy is another factor that slows growth. The industries that are nation-leading tend to employ only a fraction of the region's workforce. For instance, the region is known for its nation-leading industrial cluster of medical device manufacturing, but this cluster employs only 1% of the region's workforce. Overall, only a third of the region's jobs are in growing and leading or emerging industries, while the rest are in industries that are either declining or losing their national competitiveness.<sup>224</sup>

### **Opportunities for an economically resilient future**

Resilience is a critical attribute for the Twin Cities region to withstand and recover from various shocks and disruptions. Many factors impact the resilience of the region's economy: workforce stability; diversity and competitiveness of the region's economy; energy independence; broadband access; well-being of small businesses; an inclusive economy that ensures the vitality of all types of places and communities; and climate change.

### **Investing in people**

In the Twin Cities region, workforce instability undermines the region's economic resilience more than anything else. Due to ongoing labor shortages, the region is highly dependent on migrant labor. The

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<sup>217</sup> Minnesota Chamber of Commerce, "2024 State of Business Retention and Expansion in Minnesota."

<sup>218</sup> Ibid.

<sup>219</sup> Metropolitan Council analysis of Census Bureau, LEHD Quarterly Workforce Indicators.

<sup>220</sup> Metropolitan Council analysis of Minnesota Secretary of State, Business Snapshot database.

<sup>221</sup> Federal Reserve Bank of Minneapolis. (2021). *Despite recent gains, Minnesota's entrepreneurs of color face persistent barriers*. <https://www.minneapolisfed.org/article/2021/despite-recent-gains-minnesotas-entrepreneurs-of-color-face-persistent-barriers>

<sup>222</sup> Ibid.

<sup>223</sup> Ibid. White-owned firms tend to be concentrated in high-revenue industries such as Construction, Finance and Insurance, and the Professional, Scientific and Technical Services. In contrast, BIPOC-owned firms are most heavily represented in lower-revenue industries such as Transportation and Warehousing, Retail Trade, and Health Care and Social Assistance.

<sup>224</sup> Metropolitan Council analysis of Minnesota DEED, Current Employment Statistics. June 2024.

heavy reliance on migrant labor in tight labor markets undermines the stability of the region's workforce, leaving the region vulnerable to external factors such as fluctuations in federal immigration policies. Addressing these shortages through strategic planning, training programs, and policies that promote local workforce development can enhance resilience in the face of workforce-related shocks. Removing the barriers to integrating the region's immigrants and refugees and people with disabilities into the workforce can also be an important step in promoting a more stable local workforce.<sup>225</sup>

Minnesota offers various initiatives to develop local talent through a systemic approach to workforce development.<sup>226</sup> It provides accessible and affordable post-secondary education and career training through state colleges and universities system. The state integrates work-based learning into degree and certificate programs linking industries with educational opportunities, and the Minnesota Job Skills Partnership promotes industry specific training programs. In addition to these state efforts, the region uses digital platforms for data-driven solutions to workforce development. The region has many additional opportunities to strengthen this workforce infrastructure.

### **An industry-inclusive economy**

Economic resilience is deeply intertwined with the diversity and competitiveness of local industries. The region's economic diversity acts as a buffer against shocks. The region has many industries that have nation-leading shares of national industry employment.<sup>227</sup> Nation-leading industries in the region contribute to economic stability and foster innovation and adaptability. By nurturing a diverse array of industries and supporting emerging sectors, the region can fortify itself against industry-specific challenges and downturns. The region can reinvigorate its nation-leading industries that are struggling to grow and those industries that have been declining. In fact, this is not only an opportunity but a necessity since these industries employ a significant share of the region's labor force. Regional economic resilience depends on economic development strategies that are inclusive of all industries and not just the emerging and highly competitive ones.

The region's broadband infrastructure, the backbone of remote work and data connections during the pandemic, is growing. Committed to achieving broadband availability and speed goals, the state of Minnesota provides numerous opportunities for broadband development through technical and financial assistance. As an exemplary model of a state-led broadband initiative, the region already has one of the nation's lowest rates of digital poverty.<sup>228</sup> In 2024, the Office of Broadband Development submitted the state's Digital Opportunity Plan to guide the implementation of a federal Digital Equity Capacity Grant. This plan aims to reduce gaps in access, device ownership, and digital skills to build a digitally equitable state.<sup>229</sup> Through its Minnesota Broadband Initiative, the Department of Transportation

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<sup>225</sup> O'Neill, T. (2023). *The importance of immigration in the Twin Cities metro*. Minnesota Department of Employment and Economic Development. [https://mn.gov/deed/assets/082223\\_immigration\\_TC\\_tcm1045-324882.pdf](https://mn.gov/deed/assets/082223_immigration_TC_tcm1045-324882.pdf)

<sup>226</sup> Metropolitan Council, *Regional Economic Framework*, 2020, Appendix D.

<sup>227</sup> According to a 2024 Milken Institute study, the region ranked 51 among 200 large metros on the number of industries the market share of which exceeded the national average. Milken Institute. (2024, February). *Best-Performing Cities: Focus on Sustainable Growth and Resilience*. p. 31.

<sup>228</sup> Fishbane, L. and Tomer, A. (2020, February). *Neighborhood broadband data makes it clear: We need an agenda to fight digital poverty*. Brookings Institute. <https://www.brookings.edu/articles/neighborhood-broadband-data-makes-it-clear-we-need-an-agenda-to-fight-digital-poverty/>

<sup>229</sup> The Office of Broadband Development, *Digital Opportunity Plan*. <https://mn.gov/deed/programs-services/broadband/adoption/>

informs broadband providers about upcoming construction projects to coordinate broadband infrastructure installation.<sup>230</sup>

The region cannot be resilient unless it grows in an inclusive fashion. Resilience encompasses the economic vitality of all communities. Historically disinvested communities in the region tend to be economically fragile places. Small-to-medium-sized businesses, that generate considerable employment in the region, can play a key role in strengthening the economic fabric of communities. Supporting these businesses, especially the ones owned by historically marginalized groups, can foster more resilient communities. Policies that target small and medium-sized businesses and enhance their access to capital and business development initiatives can enhance their viability.

The rise of teleworking, accelerated by the COVID-19 pandemic, poses unique challenges to downtown areas. Downtowns are home to many “knowledge worker” and management functions, occupations where one-third to one-half of total employment can work from home.<sup>231</sup> The continuing of commuting workers challenges the economic wellbeing and recovery of downtowns. As teleworking becomes more prevalent, reimagining downtown spaces and revitalizing these local economies through innovative approaches becomes essential for ensuring their long-term resilience and vibrancy.

### **Building in economic resilience to climate change impacts**

The region faces new vulnerabilities because of climate change, which directly affects the economy through increasing temperatures and more frequent and intense extreme weather events. These changes are expected to create significant and escalating economic burdens over time. They are likely to impose substantial new costs, risks and externalities on the region’s economy, adversely affecting the economic wellbeing of many Minnesotans.

The economic and human consequences of climate change are highly uneven across communities, industries, and the region. Certain communities and individuals are more vulnerable to the impacts of climate change for several reasons (see section on Environmental Justice in the Equitable and Inclusive chapter).

Climate change also imposes new vulnerabilities on the region’s economy. Increased frequency and severity of extreme weather events, such as storms, floods, droughts and heatwaves, can disrupt the economy by destabilizing agricultural production, damaging the region’s energy and transportation infrastructure, impacting supply chains, and leading to economic losses in many industries. These events disrupt transportation routes, damage infrastructure, and affect the availability of raw materials. These disruptions can impact producers and consumers alike through shortages, increased costs, and higher consumer prices. Impacts and disruptions to infrastructure can also limit the flow of goods and employees throughout the region.

Climate change particularly affects the state’s agricultural sector, which was the fourth largest exporter of agricultural goods in the country in 2019. During the past several decades, Minnesota experienced increasing temperatures and varying precipitation rates, trends that are expected to continue. These trends can reduce crop yields and livestock productivity and increase pests and diseases. Warmer temperatures may prolong the growing season, shift the growing region for corn and soybeans, and

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<sup>230</sup> Minnesota Department of Transportation, *Minnesota Broadband Initiative*.  
<https://www.dot.state.mn.us/broadband/>

<sup>231</sup> Metropolitan Council, Travel Behavior Inventory data.



change the viability of crops grown in the region.<sup>232</sup> They can also impact the sector's labor force, making farm laborers vulnerable to heat-related illnesses.

Climate change also has significant impacts on the region's energy infrastructure. Extremely hot or cold weather strains the grid as people attempt to acclimatize their spaces. This can overwhelm energy infrastructure and lead to outages. Extreme weather can damage power plants and lines, resulting in shortages. Utility companies may also increase energy prices during peak usage times, a particular challenge for low-income families or renters without control over appliances or thermostats.

Energy plays a pivotal role in economic resilience. As a region that is dependent on imported energy sources, the Twin Cities metro faces heightened vulnerability to external shocks. Diversifying energy resources is essential for the region to mitigate the impacts of supply disruptions. Investing in a renewable energy infrastructure, promoting energy efficiency measures, and exploring alternative energy sources can bolster the region's energy resilience. These strategies can provide a more sustainable and secure foundation for the region's economy.

The region is making strides toward enhancing its economic resilience by decreasing its reliance on imported energy sources. For instance, Minnesota has the nation's fourth largest community solar capacity, and the solar industry is projected to grow.<sup>233</sup> The region is poised to leverage new opportunities through its strong partnerships among utilities, businesses, government, and non-profit organizations. Since businesses in the region have strong interest in clean energy, a growing sector in the region, renewable energy sources have the potential to substitute for imported energy. Ongoing grid modernization efforts also help reduce the region's vulnerability in the face of supply disruptions.

Transitioning to renewable energy sources like solar, wind, and hydroelectric power can reduce greenhouse gas emissions and dependence on fossil fuels. Diversifying and upgrading the region's energy grid and power resources will make the grid more resilient to extreme weather events, reduce instances of blackouts and brownouts, and make the economy more resilient to changing conditions. According to the American Council for an Energy-Efficient Economy, Minnesota ranks first in the Midwest and tenth nationally for its comprehensive energy efficiency programs. A 2024 report from The Business Council for Sustainable Energy showed that zero-carbon energy has powered the majority of Minnesota's electricity (54%) for four consecutive years, compared to the national average of 42%. In the last decade, renewables accounted for 84% of all new energy capacity in Minnesota.<sup>234</sup>

Severe and increasingly intense weather patterns also affect the insurance markets that are crucial for financial resilience. Increasing frequency and severity of disasters result in higher insurance payouts and premiums, impacting businesses and consumers reliant on insurance services. The costs of public programs such as crop insurance and wildfire suppression are likely to increase because of climate-change related events as well.

Rising temperatures and milder winters have substantial effects on the tourism industry. Algae blooms caused by high temperatures can be a major health hazard to humans and pets, reducing recreational

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<sup>232</sup> Schauburger, B., Archontoulis, S., Arneith, A., Balkovic, J., Ciais, P., Deryng, D., ... & Frieler, K. (2017). Consistent negative response of US crops to high temperatures in observations and crop models. *Nature communications*, 8(1), 13931.

<sup>233</sup> Xu, K., Chan, G., Kannan, S. (2023, December). Sharing the Sun Community Solar Project Data. NREL Data Catalog. Golden, CO: National Renewable Energy Laboratory.

<sup>234</sup> Clean Energy Economy Minnesota. (2024, May 2). *2024 Minnesota Energy Factsheet*. <https://www.cleanenergyeconomymn.org/factsheet>

activities around lakes. This disproportionately affects local economies and lakeside communities reliant on tourism revenue. Warmer winters lead to less snow and ice which results in shorter snowmobile, ski and ice-fishing seasons, which impacts resorts and communities that rely on snowy conditions to bring in tourists.

The negative impacts of climate change on the economy are immense and increasing. However, along with these impacts, climate change also presents opportunities for a green economy that focuses on sustainability and climate resilience. A green economy can promote employment in sectors such as renewable energy, energy efficiency, sustainable agriculture, reforestation and carbon offsetting. These sectors can grow the economy while mitigating and adapting to the effects of climate change.

Increasing awareness of the global effects of climate change has led to a transformation of the workforce on a global scale, creating new opportunities and challenges for workforce adaptation and green job creation. Green jobs, which can span multiple sectors, including energy, agriculture, and construction, can also include employment in industries which promote environmental protection and support renewable energy. These jobs can contribute to improving energy efficiency and sustainable resource management in a variety of industries including manufacturing and construction. Creating green jobs and developing a workforce that meets the needs of green sectors are crucial for the region to adapt to climate change.



## We lead on addressing climate change

We have mitigated greenhouse gas emissions and have adapted to ensure our communities and systems are resilient to climate impacts.

The inheritors of our 2050 region are the youth of today, and we hear their urgency when it comes to the climate emergency our region is facing. We need rapid, decisive climate action at all levels of society, including across governments and across all sectors of our economy. Students like those in Roseville expect the Met Council to deliver meaningful change when it comes to climate action. We are fully committed to the youth of our region, and we plan to deliver on ensuring a resilient climate future.

Climate change is both a threat and opportunity for our region. If we plan for climate change now, we will not only thrive despite its impacts but can also create a more just, equitable, and climate resilient region for 2050 and beyond. The Metropolitan Council commits to working with local and Tribal government partners as well as non-profit partners and new stakeholders that seek to collaborate on climate solutions.

To achieve the climate goal, the Metropolitan Council makes the following commitments:

1. Reduce the region's emissions 50% by 2030 (from 2005 levels) and achieve net-zero emissions by 2050.
2. Plan, build, and operate infrastructure to address present and anticipated climate challenges and increase regional resilience.
3. Acknowledge and remedy historic and ongoing environmental injustices to provide environmental benefits for all.

*“If the Met Council could work on things that lead us to a more climate-conscious future, that would be great.”*

- local high school student

### Renewed Commitment on Climate

The Met Council's climate work aligns with the State of Minnesota's vision to be carbon neutral, resilient, and equitable.<sup>235</sup> Minnesota makes a commitment to reduce statewide emissions 50% by 2030 (from 2005 levels), with a Statewide goal of net-zero emissions by 2050. The Met Council's climate commitments seek to advance the state's goal and call for the region to reduce its emissions 50% by 2030 (from 2005 levels), with a region-wide goal of net-zero emissions by 2050.

Imagine 2050's climate commitments arrive at a pivotal moment in Minnesota's progress on climate change. In 2023, the Minnesota State Legislature passed an amendment to the Metropolitan Land Planning Act which requires the Met Council include climate change in the regional development guide ([Minn. Stat. § 473.145](#)), as well as requires incorporation of planning for climate change in local comprehensive plans ([Minn. Stat. 473.859, subd. 2\(e\)](#)). In addition, the Council's climate efforts support and build upon recent federal and state climate efforts, such as the Minnesota Climate Action Framework and the U.S. EPA's Climate Pollution Reduction Grant<sup>236</sup>. The Council's regional efforts

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<sup>235</sup> State of Minnesota. *Minnesota's climate action framework*. Retrieved July 26, 2024, from <https://climate.state.mn.us/sites/climate-action/files/Climate%20Action%20Framework.pdf>

<sup>236</sup> *Climate Pollution Reduction Grant*. Metropolitan Council. <https://metro council.org/Planning/Climate/Climate-Pollution-Reduction-Grant.aspx>

expand upon our operational climate efforts that are detailed in the Met Council’s Climate Action Work Plan.<sup>237</sup>

### **Climate Connections to Natural Systems**

Our natural systems, when in a healthy, connected, and biodiversity-rich state, are our best line of defense against projected climate impacts. When our natural systems are degraded through poor planning and overuse of resources, natural systems become less resilient to climate change impacts. Therefore, the protection, integration, and restoration of natural systems at all scales is vital to creating climate resilience in our region. Development activities will continue, but we need to design with nature to create a future that can reduce climate impacts, be they extreme heat, localized flooding, or other climate-related hazards.

### **Climate Connections to Environmental Justice**

By understanding the impacts of historic policies, we can create equitable climate solutions that lessen the current impacts. Historically disinvested and overburdened communities, such as Black, American Indian communities, people of color, and low-income communities, continue to face the effects of decades-old policies today. Many of these effects, such as poor air quality, localized heat islands, and chronic health issues, are amplified by climate change. Impacts such as contaminated soil and water further amplify the challenges of preparing for and responding to a changing climate. These environmental challenges also come with increased health risks on the elderly, the young, and those with chronic and acute health conditions, particularly when such communities hold intersecting identities as part of low-income and/or Black, American Indian, and people of color communities. In addition, systemic disinvestment has prevented generational wealth-building, leaving many communities with fewer financial resources to respond to the climate impacts of today.

Our climate actions can help mitigate the current impacts that stem from past planning practices. A focus on equity and environmental justice also seeks to ensure the conscious distribution of the costs and benefits associated with the actions within this plan.

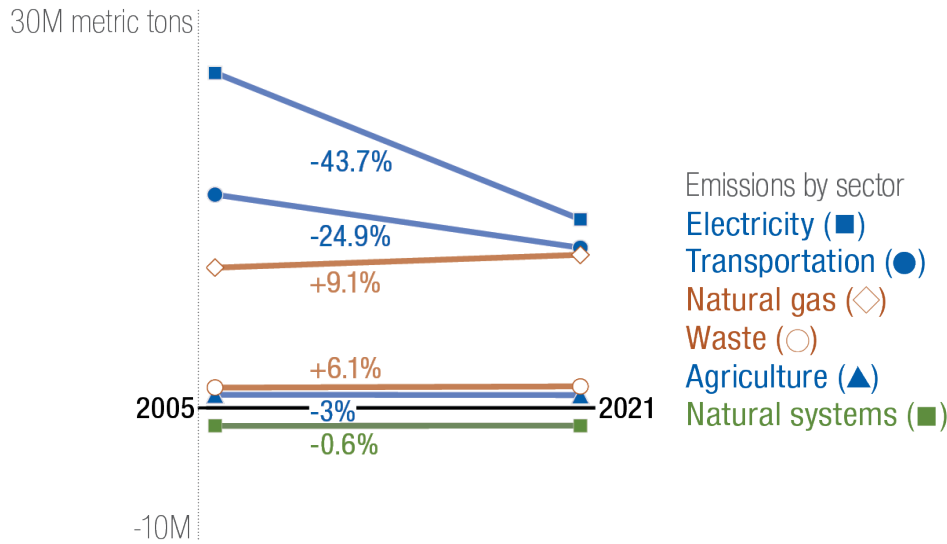
### **Regional Greenhouse Gas Emissions**

The region’s greenhouse gas emissions come from diverse sources, ranging from powering our workplaces to heating our homes to driving vehicles. In 2021, the region was responsible for approximately 30% of the state’s total greenhouse gas emissions. Emissions in 2021 were only 74% of 2005 emissions, representing a small regional share decrease (down from 31% in 2005) relative to statewide emissions. The decrease was driven primarily by decreases in the electricity and transportation sectors, though transportation emissions were depressed by the Covid-19 pandemic to a significant degree.

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<sup>237</sup> Metropolitan Council. (2022). *Climate Action Work Plan*. <https://metro council.org/Planning/Climate/Climate-Action-Work-Plan/Climate-Action-Work-Plan.aspx>

**Figure 5. 2005 and 2021 comparison of emissions and sequestration by sector for the seven-county region**

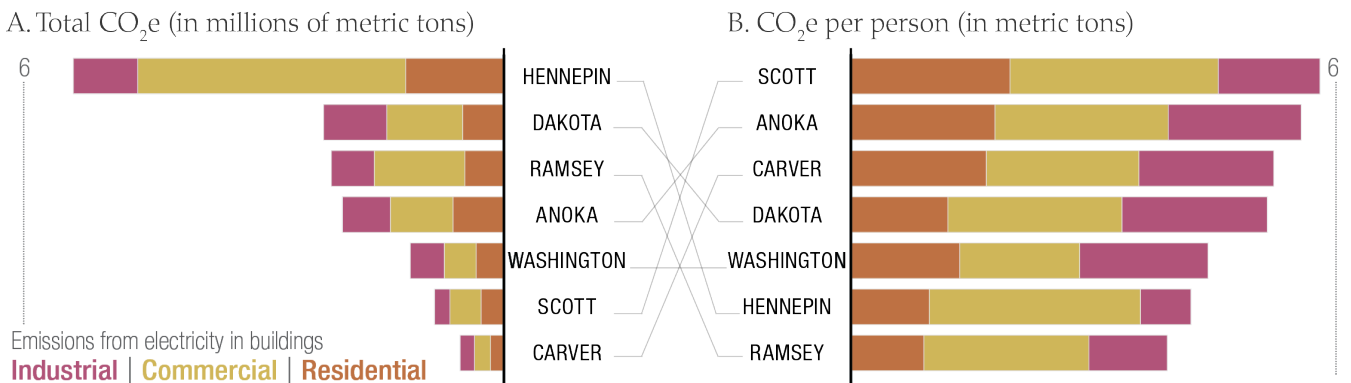


Source: Metropolitan Council analysis of state, federal, and scientific sources of sector data

**Energy Emissions**

The built environment and how people travel around the region are significant contributors to greenhouse gas emissions in the region. Most of the region’s greenhouse gas emissions come from electricity usage and burning natural gas to fuel our homes, businesses, and industries. The commercial sector generates nearly 50% of the region’s energy-related emissions, followed by the residential sector, and then the industrial sector. A very small portion of the region’s emissions come from kerosene or propane used for heating.

**Figure 6. 2021 Electricity greenhouse gas emissions by category and county**



Source: Metropolitan Council analysis of county-level utility energy delivery reports, EPA Emissions and Generation Resource Integrated Database, and National Renewable Energy Laboratory data

As a region, we can lower our emissions from electricity by reducing our electricity use through actions like increasing the energy efficiency of buildings and by continuing to move toward renewable energy sources.

Our region is already moving towards a more sustainable energy system. Currently, 26 metro area communities, representing nearly half of our region’s population, have worked with the



national SolSmart program.<sup>238</sup> to incorporate solar energy best practices into their planning and permitting.

Additionally, as required by the Metropolitan Land Planning Act, every community’s comprehensive plan contains an element for the protection and development of access to direct sunlight for solar energy systems and many communities have exceeded this requirement through plans, ordinances, and resources.

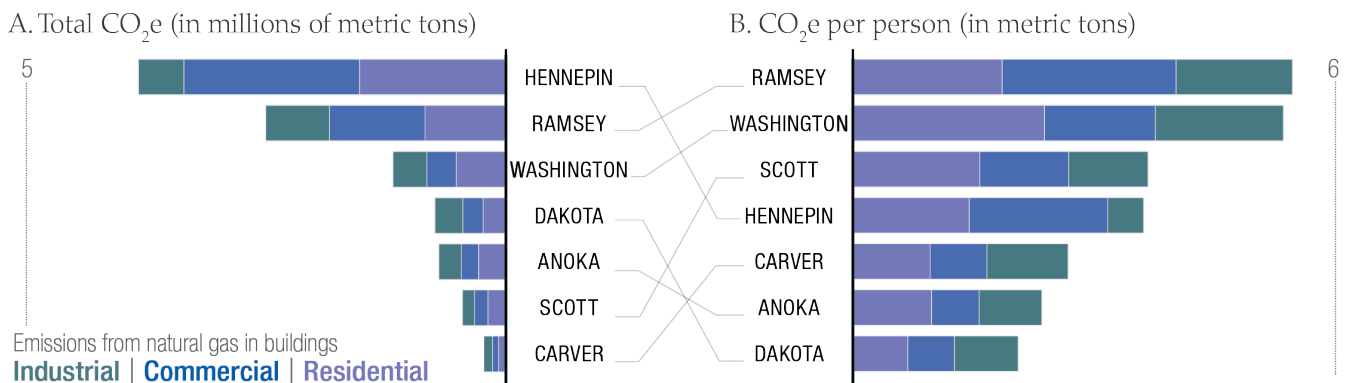
The region can build on these successes to continue to reduce energy use and transition energy sources to renewables.

### Natural Gas

To significantly reduce emissions and meet the goal to become net-zero by 2050, the region will need to reduce its natural gas use. As a cold climate region, most homes and businesses rely on natural gas furnaces and hot water heaters. Many homes and businesses, like restaurants, use natural gas for ovens and stoves.

However, lower-carbon alternatives are becoming more and more common. Residents are improving their homes’ insulation, which reduces the need for natural gas. Homes and businesses and switching to air source heat pumps, which use electricity for heating and cooling spaces. And electric appliances, like induction stoves, are gaining ground. Switching to electric options requires decarbonization of the electric grid to reduce net emissions.

**Figure 7. Natural gas greenhouse gas emissions by category and county, 2021**



Source: Metropolitan Council analysis of county-level utility energy delivery reports, EPA’s emission factor hub, and National Renewable Energy Laboratory data

The cost of our energy system does not affect all residents equally. The "energy burden" of a household is the percentage of income spent on energy bills. Across the US, Black, Hispanic, native American, older adults, and low-income residents tend to have higher energy burdens (a high energy burden is spending more than 6% of your monthly income on energy costs). In the Twin Cities region, where the median energy burden is 2.2%, the median energy burden of low-income households is 6.6%.<sup>239</sup> Energy efficiency programs targeting low-income households can decrease energy burdens and ensure the benefits of the clean energy transition are felt equally across the region

<sup>238</sup> SolSmart Program: <https://solsmart.org/>

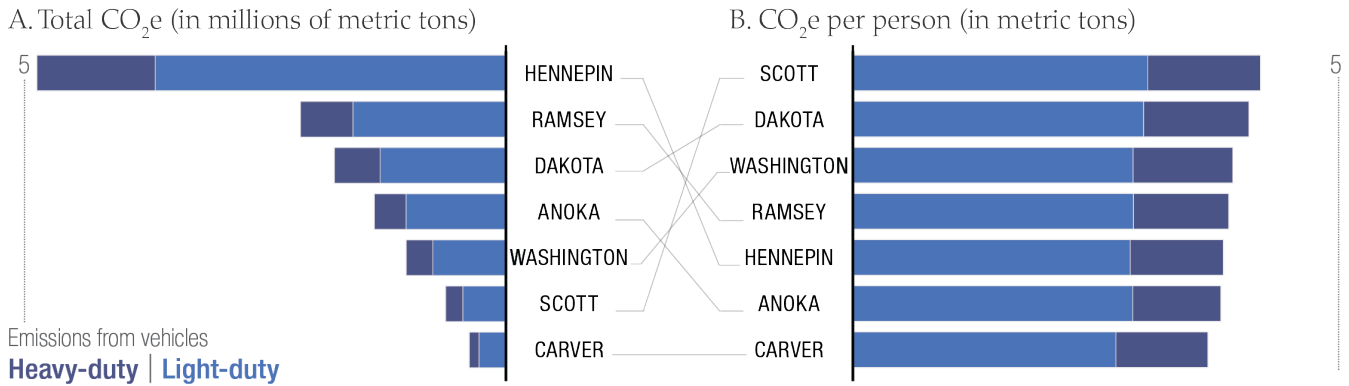
<sup>239</sup> American Council for an Energy-Efficient Economy. (2019). *Energy burdens in Minneapolis*. [https://www.aceee.org/sites/default/files/pdfs/aceee-01\\_energy\\_burden\\_-\\_minneapolis.pdf](https://www.aceee.org/sites/default/files/pdfs/aceee-01_energy_burden_-_minneapolis.pdf)

### Transportation Emissions

The Council’s 2024 regional greenhouse gas emissions inventory<sup>240</sup> and the Minnesota Pollution Control Agencies statewide 2020 greenhouse gas emission data<sup>241</sup> both show that transportation emissions make up approximately 25% of total greenhouse gas emissions. Three quarters of transportation’s greenhouse gas emissions come from light-duty vehicles (including sport utility vehicles) and 25% come from heavy-duty vehicles.

*Placeholder for additional text related to MnDOT allocations for transportation emissions reduction target text expected to be received during the public comment period.*

**Figure 8. Transportation greenhouse gas emissions by category and county, 2021**



Source: Metropolitan Council analysis of the EPA National Emissions Inventory database

The Climate section of the Transportation Policy Plan chapter addresses strategies to reduce regional transportation-related emissions, including electric vehicle charging infrastructure and reductions in vehicle miles traveled (VMT). Other modal specific chapters support a shift to lower emitting modes of transportation than driving alone. Both electrification and VMT reduction have important co-benefits including public health and reduced transportation costs. Both also have challenges including needed public investments and public awareness.

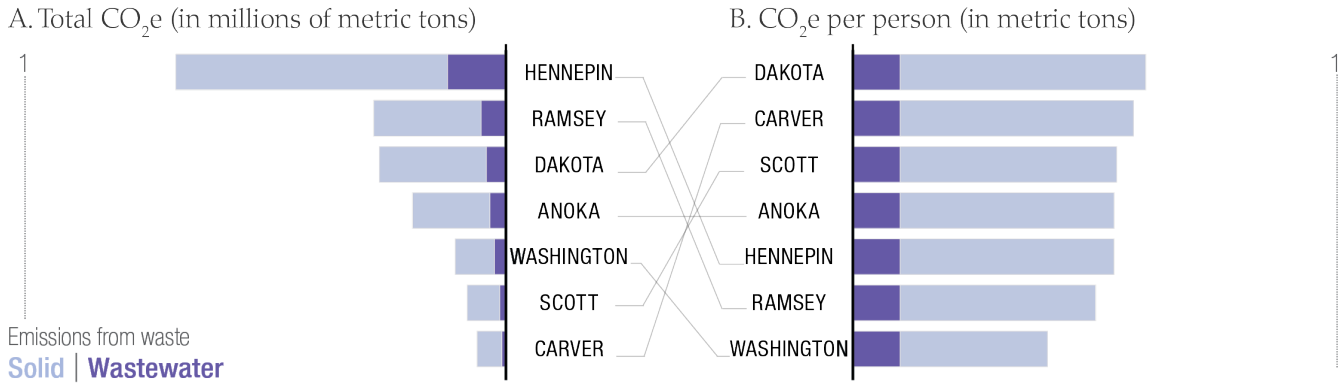
### Waste Emissions

Greenhouse gas emissions from the waste sector (landfills, waste-to-energy facilities, composting, recycling, and wastewater emissions) make up less than 5% of the region’s greenhouse gas emissions. Of these emissions, the Met Council only has control over emissions related to our wastewater treatment facilities. The Council’s Climate Action Work Plan drives our work to reduce emissions from our wastewater processes.

<sup>240</sup> Metropolitan Council. (2024, March). *Climate Tools - Greenhouse gas emissions inventory*. <https://metro council.org/Data-and-Maps/Research-and-Data/Climate-tools.aspx>

<sup>241</sup> Minnesota Department of Commerce & Minnesota Pollution Control Agency. (2023). *Greenhouse gas emissions in Minnesota 2005-2020*. <https://www.pca.state.mn.us/sites/default/files/Iraq-2sy23.pdf>

**Figure 9. Waste greenhouse gas emissions by category and county, 2021**



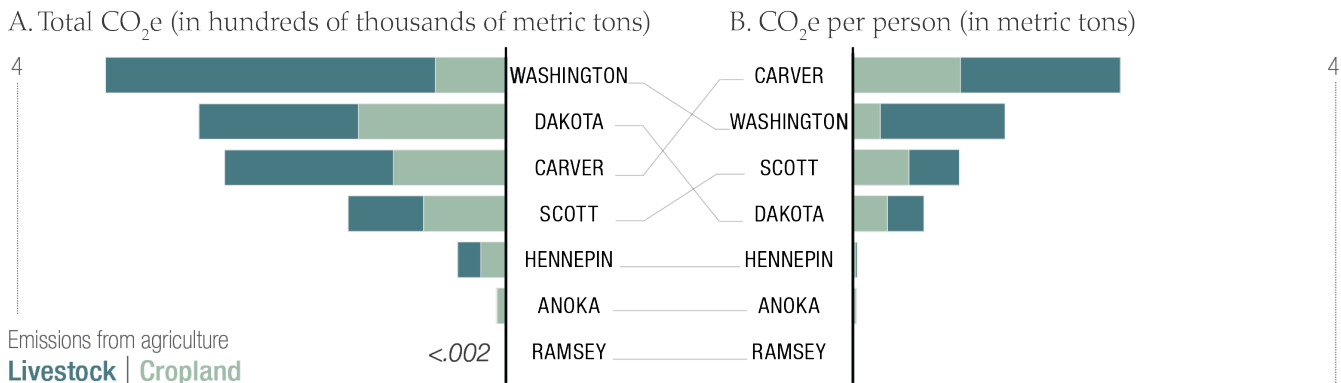
Source: Metropolitan Council analysis of MPCA SCORE database (solid waste) and EPA’s State Inventory Tool (wastewater)

Landfills, waste-to-energy facilities, composting, and recycling strategies for the region are overseen by the Minnesota Pollution Control Agency.<sup>242</sup> As such, Imagine 2050 does not focus on policies and actions that reduce solid waste-related emissions and instead defers to the MPCA’s plan.

### Agricultural Emissions

Agricultural emissions are the smallest emission sector in the region, accounting for less than 2% of the region’s emissions, while they account for over 33% of the state’s total emissions. As such, the Regional Development Guide does not focus on policies and actions to reduce agricultural emissions and instead defers to the state Climate Action Framework.

**Figure 10. Agricultural greenhouse gas emissions by category and county, 2021**



Source: Metropolitan Council analysis of USDA farm census data and EPA State and Inventory Tool data

### Climate Change Impacts

Evidence of climate change clearly exists within our region today, and we expect climate impacts to increase and intensify.

<sup>242</sup> Minnesota Pollution Control Agency. (2024). *Metropolitan Solid Waste Management Policy Plan 2022-2042*. <https://www.pca.state.mn.us/sites/default/files/w-sw7-22.pdf>

Overburdened communities, natural systems, and infrastructure are most likely to be affected. Temperatures are rising and precipitation patterns are changing. Each of the top 10 combined warmest and wettest years on record in Minnesota occurred between 1998 and 2020 (CITE). The Met Council’s Regional Climate Vulnerability Assessment (Metropolitan Council, 2018, p. 2) identifies the region’s top climate hazards as warming winters, extreme rainfall, heat waves, drought, and intense storms. These risks are expected to amplify both direct and indirect consequences to people, infrastructure, and ecosystems.

According to researchers from the Universities of Maryland and North Carolina, the Metro area will look more like its neighbors in the small town of Pond Creek, Oklahoma in the future. By 2080, the metro’s climate will be better suited to grasslands and shrubs like those found in northern Oklahoma than to the mixed forests that currently fill our seven counties.<sup>243</sup>

### *Rising Winter Temperatures*

Our winters are warming faster than our summers. In the last 50 years, average daily winter low temperatures have risen more than 15 times faster than average daily summer high temperatures. The winter average daily low temperatures have risen from -2°F to 2°F.<sup>244</sup>

Warming temperatures in Minnesota have the potential for creating more freeze/thaw cycles through the winter and early spring. These cycles can be hard on streets and highways, creating more potholes. Another implication of more melting and freezing is a potential increase in the use of salt on roads and sidewalks to keep them easily passable. However, this salt eventually runs off into area lakes, rivers, and streams, creating a permanent environmental pollutant. A recent Met Council study shows that chloride levels increased between 1999 and 2019 in nearly all 18 streams that were studied in the metro area, some at alarming levels. Statewide, 41% of all chloride in lakes, streams, and rivers comes from de-icing salt. Stabilizing chloride levels will be critical to maintain water quality and ecosystem health for our highly valued waters.

### *Extreme heat and droughts*

Minnesota will see more extreme heat days and drought events in the coming decades. The number of days with a temperature above 100°F in the region could increase to 11 by the middle of the century and 30 by the end of the

*“Having a plan for how to deal with [climate disasters] as a community is important. And naming these things as disasters if they are fueled by climate change is important so that people see that things are happening now.”*

- local high school student

*“Today is my birthday, and I usually see snow, but not this year.”*

- Urban Roots youth participant

*“I think about the plants in our environment. If you look at the trees, this year they shed their leaves early; they think they’re supposed to be doing things too early.”*

- Urban Roots youth participant

<sup>243</sup> Fitzpatrick, M.C., Dunn, R.R. Contemporary climatic analogs for 540 North American urban areas in the late 21st century. *Nature Communications* 10, 614 (2019). <https://doi.org/10.1038/s41467-019-08540-3>

<sup>244</sup> Minnesota Department of Natural Resources. (2024b). *Minneapolis/St. Paul Climate Data: Historical climate data listings*. [https://www.dnr.state.mn.us/climate/twin\\_cities/listings.html](https://www.dnr.state.mn.us/climate/twin_cities/listings.html)

century.<sup>245</sup> Extreme heat and drought stress water resources, increasing water supply costs and straining aquatic ecosystems. Periods of extreme heat are also particularly concerning for the Twin Cities region, which typically sees more heat events per year than the rest of the state. Temperatures can differ by over 10°F across neighborhoods within Minneapolis, and these temperature disparities align with formerly redlined and disinvested areas.<sup>246</sup> People living in these areas can experience increased illness and even death during extreme heat events. Extreme heat also has economic ripple effects as it makes outdoor work unsafe and over time, can lead to more rapid degradation of infrastructure.

#### *More high frequency and intense precipitation events*

Rain events that drop heavy precipitation in a short period are becoming more common in our region. Long-term observations have shown a dramatic increase in major rainstorms in Minnesota and are projected to keep increasing. More rainstorms lead to more erosion and polluted rainwater runoff which affects water quality across the region. Major rain events also increase flooding risks which can result in safety, accessibility, and property damage concerns. During a flood event, roads may be impassable or inaccessible to those with limited mobility and transportation services may be disrupted. Flooding also has long-term impacts through property damage, which can be particularly hard-hitting in low-income communities where repairs are financially challenging.

#### *Disrupted Growing Seasons*

Climate change is expected to negatively impact species' growing conditions, threatening agriculture, biodiversity, and the integrity of ecosystems. Warmer and wetter conditions can increase the spread of pathogens and parasites, such as the West Nile Virus from mosquitos and Lyme disease from ticks, which pose threats to people working or recreating outside. Additionally, the region's natural flora and fauna have evolved to live within the area's specific weather patterns. Increased temperatures harm many species and alter behavior patterns, making them vulnerable to disease and damage. Populations of introduced species are expected to rise which can lead to ecosystem impacts including tree loss, decreased water quality, and loss of wildlife and habitat. Public green space maintenance will require thoughtful planning as species survival shifts in response to changing climatic conditions.

*“Native plants are blooming much earlier than they’re supposed to, so it messes up the cycle. When we think about planting a pollinator garden, we plan which plants will bloom at which times, so when they bloom early, it messes up the bees.”*

- Urban Roots youth participant

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<sup>245</sup> Liess, S. Roop, H.A., Twine, T.E., Noe, R., Meyer, N., Fernandez, A., Dolma, D., Gorman, J., Clark, S., Mosel, J., Farris, A., Hoppe, B., Neff, P. 2023. Fine-scale Climate Projections over Minnesota for the 21st Century. Prepared for the University of Minnesota Climate Adaptation Partnership. October 2023.

<sup>246</sup> Borunda, A. (2020). Racist housing policies have created some oppressively hot neighborhoods. *National Geographic*, 9(2).





## **We protect and restore natural systems**

**We protect, integrate, and restore natural systems to protect habitat and ensure a high quality of life for the people of our region.**

The quality of all life in the Twin Cities region depends on abundant, healthy natural systems. Natural systems include land, air, water, vegetation, and wildlife as well as their connections within ecosystems, natural cycles, and human society. Abundant and functioning natural systems nurture ecosystem and public health, allow economies to function and grow, and meet the social, cultural, and spiritual needs of people living in the region.

Natural systems are everywhere. However, they may be more connected and healthier in some areas and more fragmented and polluted in other areas. A comprehensive approach to protecting, integrating, and restoring natural systems ensures that large, biodiverse areas are preserved, while we enhance neighborhood-scale natural systems that help connect residents to nature at their doorstep.

Historically, regional planning viewed natural systems through resource management and conservation lenses. Policies and management approaches have considered land, air, water, vegetation, and wildlife as things to be used primarily for the benefit of humans and human economies. We've seen the outcomes of this approach in the region. Habitat and biodiversity loss, water pollution, contaminated air, expanses of paved surfaces, and climate change are costly results of not balancing natural systems with other social, cultural, and economic needs. We've also seen that when natural systems are protected and restored, the needs of natural systems are aligned with human needs. The result is improved public and ecosystem health.

Imagine 2050 takes a holistic approach to natural systems, recognizing that natural systems possess intrinsic value, that development and natural systems are intertwined, and that the benefits and consequences of natural system policies are felt by all communities and residents.

Natural systems include the land, air, water, vegetation and wildlife as well as their connections within ecosystems, natural cycles, and human society.

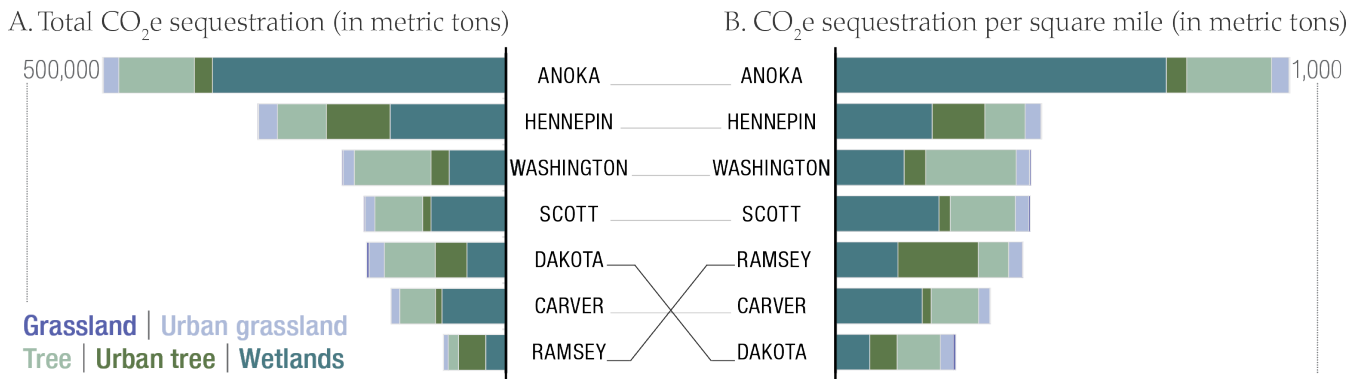
Protecting, integrating, and restoring natural systems means:

- **Protect:** steward and maintain natural systems to preserve their intrinsic, ecological, and human benefits for the present and the future.
- **Integrate:** incorporate and prioritize the needs of natural systems with human development to achieve harmony between built and natural environments.
- **Restore:** enhance natural systems degraded by human development to create cleaner land, water, and air that support human and ecological wellbeing.

### **Connection to Climate Change**

Climate change threatens the health of natural systems, and healthy natural systems also represent solutions, refuges, and buffers to climate change impacts. Ecosystems serve as important carbon sinks, taking greenhouse gas emissions out of the atmosphere. This can occur at all scales of natural systems and is especially true for larger open spaces like regional parks. Preserving or adding woody crop land and forests represents opportunities for sequestering carbon while providing additional public and ecosystem health benefits.

**Figure 11. Natural systems sequestration rates by category and county, 2021**



Source: Metropolitan Council analysis of the USGS National Land Cover Database and other primary literature sequestration rates

Restoring natural systems also provides critical benefits as the region experiences more climate impacts. In times of heavy precipitation events, more intact ecosystems better handle large amounts of water and reduce impacts from flooding. More connected green (forests, grasslands, parks, etc.) and blue (lakes, rivers, streams, etc.) spaces provide critical habitat, as plants and animals must also adapt to a changing climate. Additionally, more robust natural systems in urban areas provide people with cooling shade and refuge during extreme heat events, particularly for vulnerable communities that are most lacking access to these environments.

A recent study completed by Earth Economics for The Nature Conservancy on the economic impact of natural climate solutions states that natural climate solutions would provide Minnesota with \$37 billion in ecosystem services

Wakan Tipi Awanyankapi is a Native-led nonprofit that works to restore and steward urban natural landscapes and create opportunities for cultural connections and healing. Guided by Dakota values, they worked with community partners over many years to restore the Bruce Vento Nature Sanctuary from a polluted dump site to a vibrant natural landscape that honors the sacredness of the land to Dakota peoples. Their work now extends across the east side of Saint Paul. The organization’s approach reflects the deep relationship between land and people in Dakota and other American Indian knowledge ways. They host events that strengthen the connection American Indian communities have with the land including Dakota storytelling sessions and plant medicine workshops. Their work highlights the importance of American Indian leadership in restoring the natural systems of the region.

“My vision for natural systems is not only restoring natural habitat, but also adapting our systems. Given climate change, what strategies are feasible, resilient, fair, and sustainable? We want to put in place future-thinking changes.” (From engagement with Wakan Tipi staff)

per year, 5,200 jobs and \$148 million in annual wages.<sup>247</sup> Not only does nature provide the best defense against the impacts associated with climate change, it also fosters a strong economy and creation of jobs.

### **Connection to American Indians and Traditional Knowledge**

American Indian people have long recognized that human health and the health of natural systems are intertwined. In the Twin Cities region, the Dakota people have lived in relationship with the land, water, plants, and animals since time immemorial. Deteriorating quality of natural systems in the region coincided with the genocide and displacement of the Dakota people. Reconciliation with the land, water, and American Indian communities will take time and dedicated action; one aspect of this work includes learning from American Indian peoples to better stewards of our natural systems.

### **Connection to State Efforts and Met Council Roles**

#### **Roles and responsibilities of the Met Council**

The Met Council has influence over certain aspects of natural systems (parks, water, and land use planning) and works with cities, townships, counties, watershed districts, and other partners to protect, integrate, and restore natural systems in the region.

The Council works with park implementing agencies to develop and maintain the regional park and trail system, an important resource in preserving and restoring natural areas. This role stems from state law that charges the Council with overseeing the acquisition and development (planning) of and funding for the regional parks system.

The Council also ensures that the region has access to clean and plentiful water by providing regional wastewater treatment and integrated water planning services and collaborating with local partners such as municipalities and watershed districts to address water sustainability. These services protect natural systems by safeguarding water quality and quantity as it flows through the region, is used by residents, businesses, and institutions, and returns to the environment.

Finally, the Council's role in regional land use planning supports preserving areas of significant ecological value while guiding development in more urban areas to encourage both higher density and access to green space. Through working with local communities, the Council encourages sustainable land use patterns and climate resilient neighborhoods.

[call out box with a picture] [Met Council Extreme Heat Tool](#)

The Metropolitan Council mapped the land surface temperature from 2016 and 2022 using remote sensing and satellite imagery. The 2022 data is intended to show the heat differences across the region. With the three-day heat wave that occurred during 2016, the data closely approximates the maximum land surface temperature that urban areas may reach. These maps show that developed areas are hotter in temperature than parks, greenspace, and areas near water bodies. Utilizing this tool can be helpful to mitigate extreme heat in different locations.

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<sup>247</sup> Mackey, E. & Earth Economics. (2023). *The economic benefits of natural climate solutions in Minnesota*. The Nature Conservancy.  
[https://www.nature.org/content/dam/tnc/nature/en/documents/EarthEconomics\\_2023EconomicBenefitsofNaturalClimateSolutions.pdf](https://www.nature.org/content/dam/tnc/nature/en/documents/EarthEconomics_2023EconomicBenefitsofNaturalClimateSolutions.pdf)

## State and local roles and responsibilities in managing and protecting natural systems

A range of state agencies work on topics related to natural systems including the Department of Health, Department of Natural Resources, the Board of Water and Soil Resources, Department of Agriculture, and Pollution Control Agency.

State law protects different elements of natural systems and are applicable at different stages of the planning and development process. Some of our natural systems are protected as parks and public lands by federal, state, and local levels of government. Spring Lake Park Reserve in Dakota County, Carlson Avery Wildlife Management Area in Anoka County, and the U.S. Fish and Wildlife Service Louisville Sump in Scott County are just a few examples of how different levels of government have protected our natural systems. The St. Croix River is a federally designated National Scenic Riverway with management coordinated among local governments, the National Park Service, and the Minnesota Department of Natural Resources. The Mississippi River has both a federal designation as a National River and Recreation Area<sup>248</sup> and as a state designated Critical Area, which requires local governments in the corridor to develop plans that comply with Minn. Rules 6106.0010 – 6106.0180. State shoreland rules (Minn. Rules 6120.2500-3900) set statewide standards that local governments must adopt to manage development along lakeshores to protect water quality. The Wetland Conservation Act is implemented through local land use controls with oversight from the Board of Water and Soil Resources.

*“Native plants are blooming much earlier than they’re supposed to, so it messes up the cycle. When we think about planting a pollinator garden, we plan which plants will bloom at which times, so when they bloom early, it messes up the bees.”*

- Urban Roots youth participant

Local and regional governments have authority over land use and manage natural systems within their jurisdictions, working on efforts related to tree planting, land preservation, air monitoring, and more. Through comprehensive planning and through strategic partnerships, local governments have agency over how best to manage natural systems within their jurisdiction. Innovative approaches to development and maintenance can increase the integrity and health of natural systems in and across communities. Several cities across the region have developed tree protection ordinances and other methods for locally protecting natural systems. Washington County, for example, established a Land and Water Legacy Program to purchase land or land interests to preserve water quality, woodlands, and other natural areas in the county.

The City of Woodbury set a goal of having a city-wide tree canopy cover of 40% by 2040 in their 2040 Comprehensive Plan. As of 2020, Woodbury had about 22% tree canopy cover and had seen about a 4% increase in tree canopy in the previous decade. To support further progress towards the goal, the city identified several key opportunities to enhance its urban forest including updating its Urban Forest Management Plan, conducting a comprehensive tree canopy assessment, and enhancing tree planting and preservation practices in Woodbury by revising relevant codes and standards. The City established clear metrics and targets to track progress towards its goal and strives to be a national leader in urban forestry.<sup>249</sup>

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<sup>248</sup> The Mississippi River National River and Recreational Area (MNRRA) was established by Congress as a unit of the National Park Service in 1988.

<sup>249</sup> City of Woodbury, Minnesota. (2022). *Woodbury Urban Forest Management Plan 2022*.

<https://www.woodburymn.gov/DocumentCenter/View/1845/Woodbury-Urban-Forest-Management-Plan-Executive-Summary-PDF?bidId=>

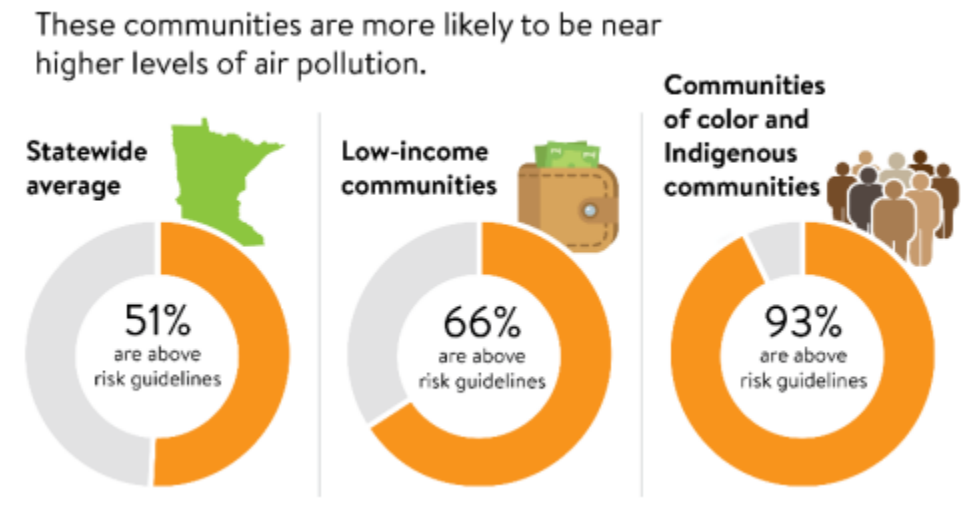
Other rules and programs help prevent pollution in the environment, such as effective management of subsurface sewer treatment systems. Minn. Rules Chapters 7080-7083 requires that cities, townships, and counties incorporate those regulations into their local ordinances and programming for managing SSTS.

## Risks and Opportunities related to Natural Systems

### Air

The air quality of the Twin Cities region is generally good and has been improving over the last few decades.<sup>250</sup> However, there is a highly unequal spread of poor air quality in the region. Low-income and disadvantaged communities have higher exposure to pollution like fine particulate matter and diesel pollution.<sup>251</sup> These pollutants can come from specific industrial sources as well as dispersed sources like vehicles and can impact ecosystem and human health. Air quality is also increasingly threatened by wildfire smoke, often traveling from other parts of the continent and provoked by droughts worsened by climate change. Finally, overall air temperatures are rising because of climate change, which results in more extreme heat days that stress existing infrastructure and create dangerous conditions for outdoor workers.

Figure 12. Low income communities, communities of color, and Indigenous communities are more likely to live near higher levels of air pollution.<sup>252</sup>



<sup>250</sup> Minnesota Pollution Control Agency. (2024, February 22). *Minnesota Air Quality Index*. Retrieved May 8, 2024, from [https://public.tableau.com/app/profile/mpca.data.services/viz/MinnesotaAirQualityIndex\\_0/AQIExternal](https://public.tableau.com/app/profile/mpca.data.services/viz/MinnesotaAirQualityIndex_0/AQIExternal)

<sup>251</sup> Analysis of Council on Environmental Quality Climate and Economic Justice Screen Tool and Environmental Protection Agency EJScreen data: Metropolitan Council. (2024). *Priority Climate Action Plan: Twin Cities Metropolitan Statistical Area*. <https://metrocouncil.org/Planning/Climate/Climate-Pollution-Reduction-Grant/Twin-Cities-Priority-Climate-Action-Plan.aspx>

<sup>252</sup> Graphic courtesy of Minnesota Pollution Control Agency. (2021). *The air we breathe: The state of Minnesota's air quality in 2021*. <https://www.pca.state.mn.us/sites/default/files/Iraq-2sy21.pdf>



Improving air quality and better ecosystem health has ripple effects throughout the region. Air pollution in the U.S. has a \$600 billion annual impact, representing 3% of the country's GDP.<sup>253</sup> Improving air quality would mean improving the economic productivity of the region. It can also result in more equitable health outcomes, as communities that experience health impacts like increased asthma rates due to pollution exposure would benefit from cleaner air. Improving air quality involves addressing pollutants from two angles: reducing pollution at the source and promoting vegetation-rich landscapes that can remove existing pollution from the air. These landscapes, such as urban forests, can foster human health benefits valued at over \$6.8 billion USD nationally.<sup>254</sup>

## Water

The Twin Cities region depends on clean and plentiful water for ecosystem and public health, a thriving and growing economy, and for all aspects of daily life. Water quality in the region has steadily improved over decades,<sup>255</sup> though there are still some lakes, rivers, and other water bodies with poor quality and newer emerging concerns.<sup>256, 257</sup> Once pollutants enter the water, they are often difficult and expensive to remove. Water runoff, especially during extreme storm events, impacts water quality, as does inadequate stormwater management.<sup>258</sup> Moreover, droughts in recent years have served as a reminder that abundant water should not be taken for granted.<sup>259</sup> Degraded water conditions significantly affect ecosystem health through loss of biodiversity, habitat degradation, and disrupted ecosystem functions. Degraded water quality and quantity also impacts people in our region, particularly underserved communities. For example, the inability to consume fish caught in rivers and lakes in the region due to contaminated water limits cultural fishing practices and the ability to use subsistence fishing to supplement other food sources.

Improved water quality and quantity benefit all life in the region. For humans, healthy water systems not only support cultural and subsistence uses but also support more recreational opportunities and reduce water treatment costs for drinking water. For aquatic and semi-aquatic species, clean and abundant water allows them to thrive and strengthen local ecosystems. Carefully considered land use and development plans are crucial to maintaining the region's water quality. Thoughtfully integrating natural

*“Why are there such high asthma rates here in the cities, but not in the suburbs? It’s intentional. The air quality needs to be addressed because it’s poisoning us.”*

- Minnesota Indian Women's  
Resource Center

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<sup>253</sup> Niall McCarthy. (2020, February 18). *This is the global economic cost of air pollution*. World Economic Forum. <https://www.weforum.org/agenda/2020/02/the-economic-burden-of-air-pollution/>

<sup>254</sup> J. Nowak, D., Hirabayashi, S., Bodine, A., & Greenfield, E. (2014). Tree and forest effects on air quality and human health in the United States. *Environmental Pollution*, 193, 119–129. <https://doi.org/10.1016/j.envpol.2014.05.028>

<sup>255</sup> Metropolitan Council. (2007). *100+ years of water quality improvements in the Twin Cities*.

<sup>256</sup> Metropolitan Council. (2020). *Lake Water Quality Summary*. <https://metro council.org/Wastewater-Water/Services/Water-Quality-Management/Water-Monitoring-Pubs/Lake-Water-Quality-Summary-Report-with-Grade-Map.aspx>

<sup>257</sup> Metropolitan Council. (2018). *Regional assessment of river water quality in the Twin Cities Metropolitan Area: Minnesota, Mississippi, St. Croix Rivers, 1976-2015*. <https://metro council.org/Wastewater-Water/Publications-And-Resources/WATER-QUALITY-MONITOR-ASSESS/Technical-Summary-of-Regional-Assessment.aspx>

<sup>258</sup> U.S. EPA. (2024, January 31). *Climate Adaptation and Stormwater runoff*. <https://www.epa.gov/arc-x/climate-adaptation-and-stormwater-runoff>

<sup>259</sup> National Oceanic and Atmospheric Administration. (n.d.). *Minnesota historical conditions*. National Integrated Drought Information System. Retrieved May 6, 2024, from <https://www.drought.gov/states/minnesota#historical-conditions>

systems (such as wetlands, bioswales, and rain gardens) into development has the dual benefits of filtering pollutants before they reach source waters while also reconnecting ecosystems.

## Soil

Soil is critical to all terrestrial life; it nourishes plants, filters ground water, regulates the climate, and contains its own wealth of biodiversity.

The Twin Cities region is a soil-rich environment, with prime agricultural soils dominating the rural portions of the region, particularly in Carver, Scott, and Dakota counties. Seeing the value of continued farming close to the growing region, the Legislature established the Metropolitan Agricultural Preserves Program in 1980 to maintain “viable productive farm operations in the metropolitan area” (Minn. Stat. 473H). This program provides tax benefits for farmers with properties of at least 40 acres along with long-range planning protections in local comprehensive plans and ordinances to protect farming. Similarly, the Green Acres program, established in the late 1960s, provides landowner tax benefits with a focus on smaller farms (at least 10 acres), but does not include the land use and planning restrictions to participate in the program. These programs are one tool that can help reduce pressure for development in the rural area. Our region’s fertile land has been degraded, especially over the last century due to human activities. In more rural areas of the region, industrial agriculture practices have led to loss of the nutrient- and biodiversity-rich topsoil, amounting to an estimated \$520 million loss for Minnesota per year.<sup>260</sup>

In suburban and urban areas, our soil has been compromised by pollution from pesticide and fertilizer use, industrial activities, compaction, and development. Across all landscapes, clear cutting and grading associated with development results in soil erosion, often impacting local water bodies. Throughout the region, contaminated land is most often located near poorer residents and residents of color. Contaminated land can harm human health while preventing productive use of the land. Additionally, degraded land hampers carbon sequestration and water filtration, both of which are vital to the maintenance of healthy ecosystems.

Preserving and restoring healthy soil has many benefits for human and ecosystem health in the region. Adopting more sustainable agricultural practices improves soil health and can also benefit water quality, improve agricultural productivity, and support local food systems. Additionally, remediating contaminated land at specific sites promotes the health of nearby residents and allows for more productive, community-driven uses to develop. Finally, healthy soil and landscapes are vital for fostering diverse habitats and ecosystems that sustain biodiversity in the region.

## Vegetation and Wildlife

Ecosystems are defined by complex interactions linking organisms to each other and their physical environment. Human development threatens the health of ecosystems when it severs these interactions through processes such as habitat fragmentation, climate change, and pollution. These processes can directly harm plants and animals via contamination and loss of suitable habitat or allow some plant and animal populations to grow rapidly and cause ecological and economic harm (e.g. emerald ash borer, zebra mussels).

Development frequently leads to habitat loss and fragmentation, but these harms can be mitigated by encouraging habitat connectivity and urban greening. Natural systems are currently most at risk across rural and agricultural landscapes, where unsewered, large-lot, or rural development and agricultural

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<sup>260</sup> Charles, D. (2021, February 24). New evidence shows fertile soil gone from midwestern farms. *National Public Radio*. <https://www.npr.org/2021/02/24/967376880/new-evidence-shows-fertile-soil-gone-from-midwestern-farms>

expansion are predicted to consume between 16,000 to 48,000 acres by 2050 based on past development patterns.<sup>261</sup> This habitat loss leads to the direct and indirect loss of biodiversity through reducing overall open space and connectivity between natural habitats.

Habitat loss and fragmentation affect people in the region as well. In areas with fewer trees and green space, the urban heat island effect is more extreme. People living in areas with access to quality green space tend to have lower stress levels and better mental health.<sup>262</sup> Access to healthy ecosystems allows people to carry on cultural traditions like fishing and foraging. In many parts of our region, healthy ecosystems tend to be least accessible to lower-income people and Black, American Indian, and people of color communities.<sup>263</sup>

How we develop land is just as important as where we develop. We can reduce the harm to vegetation and wildlife by pairing low impact development practices with sensible habitat protections, such as maintaining connections between natural habitats. Creating natural habitat within suburban and urban areas, such as pollinator gardens, can support increasing habitat connectivity. Additionally, ensuring the protection and restoration of ecological areas can help buffer biodiversity losses that result from human development via habitat loss, pollution, and climate change. The presence of many species in a habitat can lead to better functioning ecosystem services like carbon sequestration. Biodiversity can also provide desirable outcomes for natural systems such as more resilient ecosystems, efficient pollutant filtration, carbon sequestration, and wildlife support.

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<sup>261</sup> Metropolitan Council analysis of Minnesota DNR's Regionally Significant Ecological Area loss based on observed land development from the Metropolitan Council's Generalized Land Use Inventories, 2005-2020.

<sup>262</sup> Weir, K. (2020). Nurtured by nature: Psychological research is advancing our understanding of how time in nature can improve our mental health and sharpen our cognition. *Monitor on Psychology*, 51(4), 50. <https://www.apa.org/monitor/2020/04/nurtured-nature>

<sup>263</sup> Metropolitan Council. (2021) *Parks & Trails Visitor Study*. <https://metro council.org/Parks/Research/Visitor-Study.aspx#Report>

# Appendix A: Analysis and Future Work, and Negative Health Outcomes

## Environmental injustices data

Environmental justice (EJ) recognizes that certain communities are disproportionately affected by risks due to climate change, and quantitative analyses of environmental factors can be a vital tool in making informed decisions to repair these injustices. It is important to understand which communities are impacted, what types of environmental burdens exist, and to what extent environmental burdens harm different communities. Existing datasets have addressed these concerns at national and state levels, but there is room to expand upon these analyses and related preliminary efforts with finer spatial granularity within the 7-county region.

This section will identify existing EJ disparities, provide a high-level overview of existing EJ analyses, and set directions for future comprehensive analysis in support of EJ-centered policymaking.

## Existing Analyses

Existing analyses of environmental burdens within overburdened areas present a stark picture of environmental injustice. Two of the most prominent federal data tools for identifying overburdened communities are EJScreen and Climate and Economic Screening Tool (CEJST), which combine factors such as race, class, and place, with quantitative data on exposure to environmental burdens to define environmental injustice in a nationally consistent way.

Some state and city governments have developed their own EJ screening tools that focus on locally specific definitions of what constitutes an overburdened community. These tools incorporate locally available data and connect their analyses to city- and state-based processes related to budgeting, permitting or regulatory authorities, and transparency and collaboration with overburdened communities.

The Met Council has taken preliminary steps to develop quantitative and spatial EJ analyses and is committed to expanding on these efforts to support regionally and locally contextualized, people-centered, and data-driven decision making, aligned the Met Council's EJ Framework.

In early 2024, the Met Council submitted its Priority Climate Action Plan (PCAP) to the EPA, completing phase one of the EPA's Climate Pollution Reduction Grant (CPRG) program. The \$5 billion CPRG program is part of the Justice40 initiative, which requires that 40% of federal grant benefits flow to disadvantaged communities that are "marginalized, underserved, and overburdened" by pollution. The Met Council conducted preliminary analyses to examine specific environmental risks that disproportionately impact certain communities in our region. The table below highlights some of the health, social, and economic burdens that we investigated during our initial analysis of environmental disparities:

**Table 3. Environmental burdens and impacts on environmental justice**

Environmental Burden	Context and Impact on Environmental Justice
<b>Diesel Particulate Matter</b>	Overburdened communities, often located near commercial trucking routes, face higher exposure to diesel particulates. This exposure is linked to serious health problems including respiratory issues, cardiovascular disease, and increased cancer risk.
<b>Flooding, Impervious Surfaces and Extreme Heat</b>	Urban areas with more extensive impervious surface, such as concrete and asphalt, absorb and retain heat, exacerbating urban heat islands. Historic underinvestment in green space and trees and the disproportionate siting of industrial and transportation infrastructure in overburdened communities yields higher rates of impervious surface in overburdened communities. This leads to higher cooling costs and more heat-related illnesses.
<b>Energy Cost Burden</b>	Residents of overburdened communities are more likely to spend a larger portion of their income on energy costs because of disproportionate exposure to impervious surface, extreme heat, aging housing stock, inefficient or outdated cooling and heating systems, and less access to weatherization and energy efficient upgrades. These factors raise energy costs for both heating and cooling in overburdened communities.
<b>PM 2.5 Air Pollution</b>	PM 2.5 is a type of air pollution that typically comes from industrial combustion and vehicle emissions. It can cause increased risks of asthma, chronic obstructive pulmonary disease, lung cancer, and premature death. Overburdened communities are disproportionately exposed to sources of PM 2.5 and compounding health disparities.
<b>Lead Paint</b>	Overburdened communities are more likely to live in older houses with lead-based paint, which can deteriorate and create dust that leads to lead poisoning. Children in these communities are particularly at risk of developing neurological and developmental issues.
<b>Air Toxics</b>	Exposure to toxic air pollutants, or air toxins, is common in overburdened communities near industrial areas. These pollutants are linked to a range of serious health effects, including respiratory problems, developmental issues, and cancer. Higher industrial activity in economically marginalized areas increases exposure.
<b>Superfund/Hazardous Chemical/Waste Sites</b>	Disproportionate proximity to Superfund and other hazardous waste sites exposes overburdened communities to a plethora of dangerous chemicals. These sites can contaminate local soil, water, and air, leading to long-term health risks including cancer, reproductive issues, and endocrine disruption. Historically, placement of hazardous sites has disproportionately occurred in overburdened communities due to racial and income-based inequities in political power and decision-making.

*Future work*

To confront these and other issues in EJ, the Met Council will expand upon its spatial and quantitative understanding of disparate exposure to environmental burdens. It will work to advance EJ across the region through an increased capacity to visualize, understand and contend with compounding environmental burdens. The Met Council can draw upon existing datasets, such as localized flood risk, regional land surface temperature, tree canopy inventory, affordable housing production, and the Equity Considerations for Place-Based Advocacy and Decisions dataset to advance a more comprehensive analysis of regional EJ issues. The inclusion of locally specific datasets such as these, alongside prominent national EJ datasets, is critical to ensuring that analysis is contextualized to local conditions and addresses concerns that have long been raised by overburdened communities.



The Met Council is committed to advancing research, policy, data, and tools that holistically blend different streams of inquiry, ways of knowing, and methodologies. We are committed to building tools and analysis and using the results to inform all aspects of its work. Approaching regional work in this way helps us ensure alignment with our commitment to lead on climate and build a healthy and safe equitable, and prosperous region, and EJ in policymaking and program implementation throughout the region.



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