



# Equity, Environmental Justice and Transportation

Trends Shaping Freight in Minnesota & U.S.

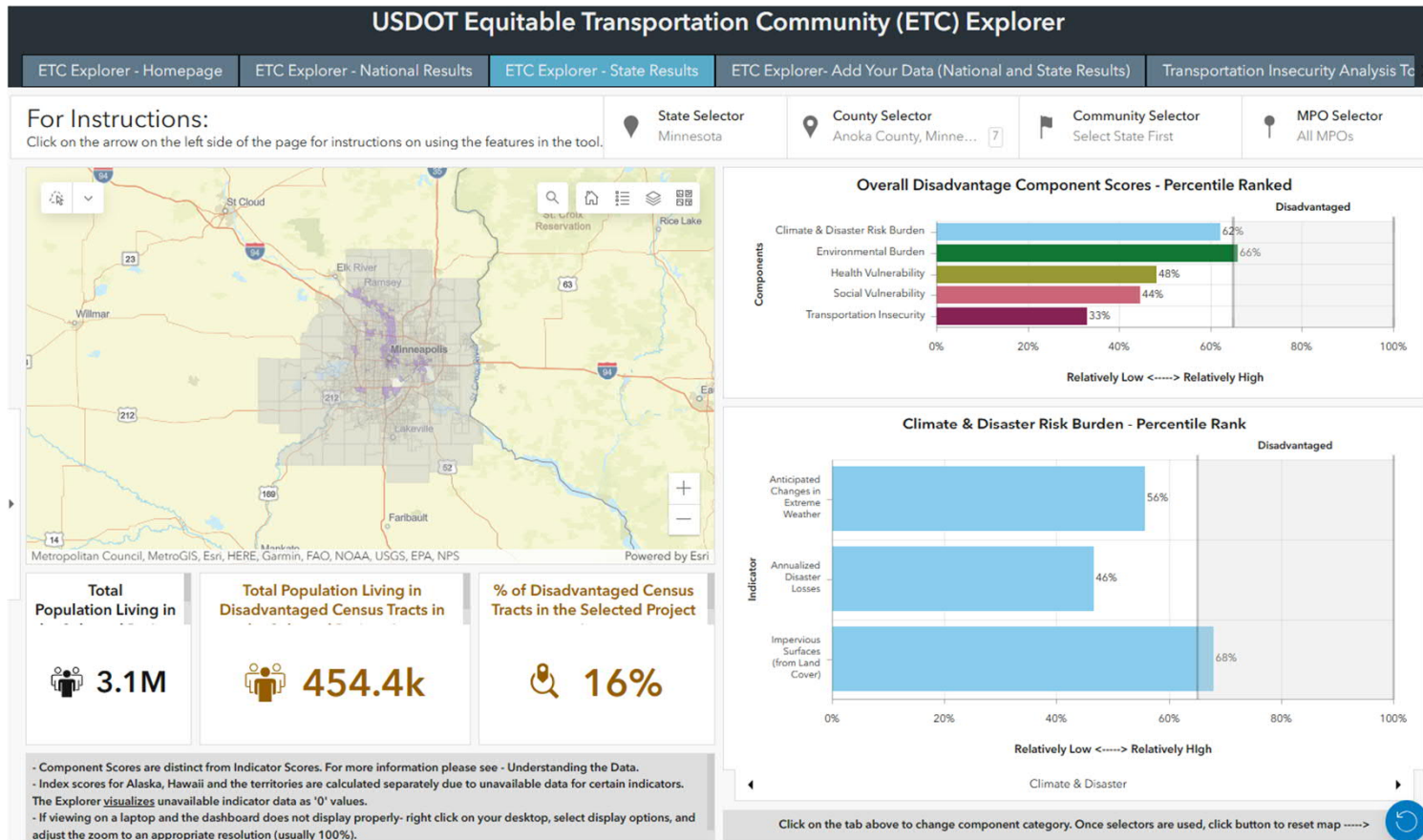
Dr. John Pournoor, Government Analytica

# Federal Framework for Analyzing

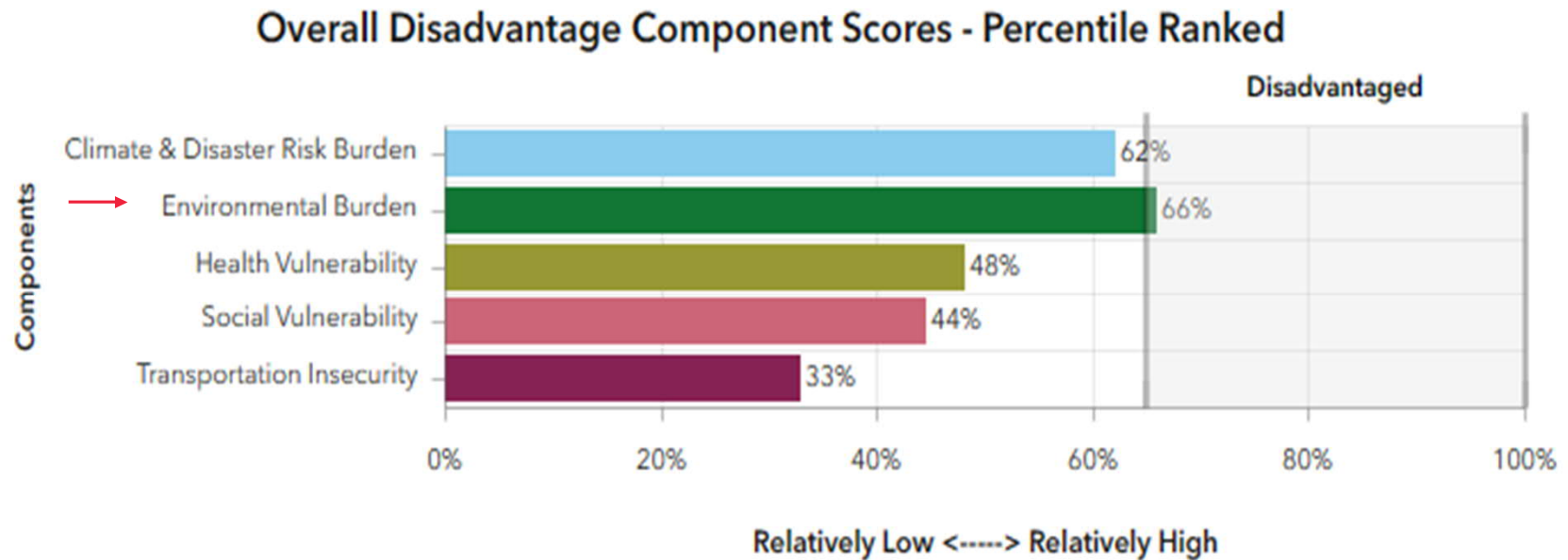
- ❑ [Executive Order 12898](#) (1994) - Federal Actions To Address Environmental Justice in Minority Populations and Low-Income Populations [LINK](#)
- ❑ **Justice 40** is shorthand for a federal government program with the goal of having 40 percent of the overall benefits of certain Federal climate, clean energy, affordable and sustainable housing, and other investments flow to disadvantaged communities that are marginalized by underinvestment and overburdened by pollution.
- ❑ [Executive Order 14008](#) focuses on *Tackling the Climate Crisis at Home and Abroad* (2020) while
- ❑ [Executive Order 14096](#) focuses on *Revitalizing Our Nation's Commitment to Environmental Justice for All* (2023). [LINK](#)



# USDOT Equitable Transportation Explorer



# USDOT Equitable Transportation Explorer

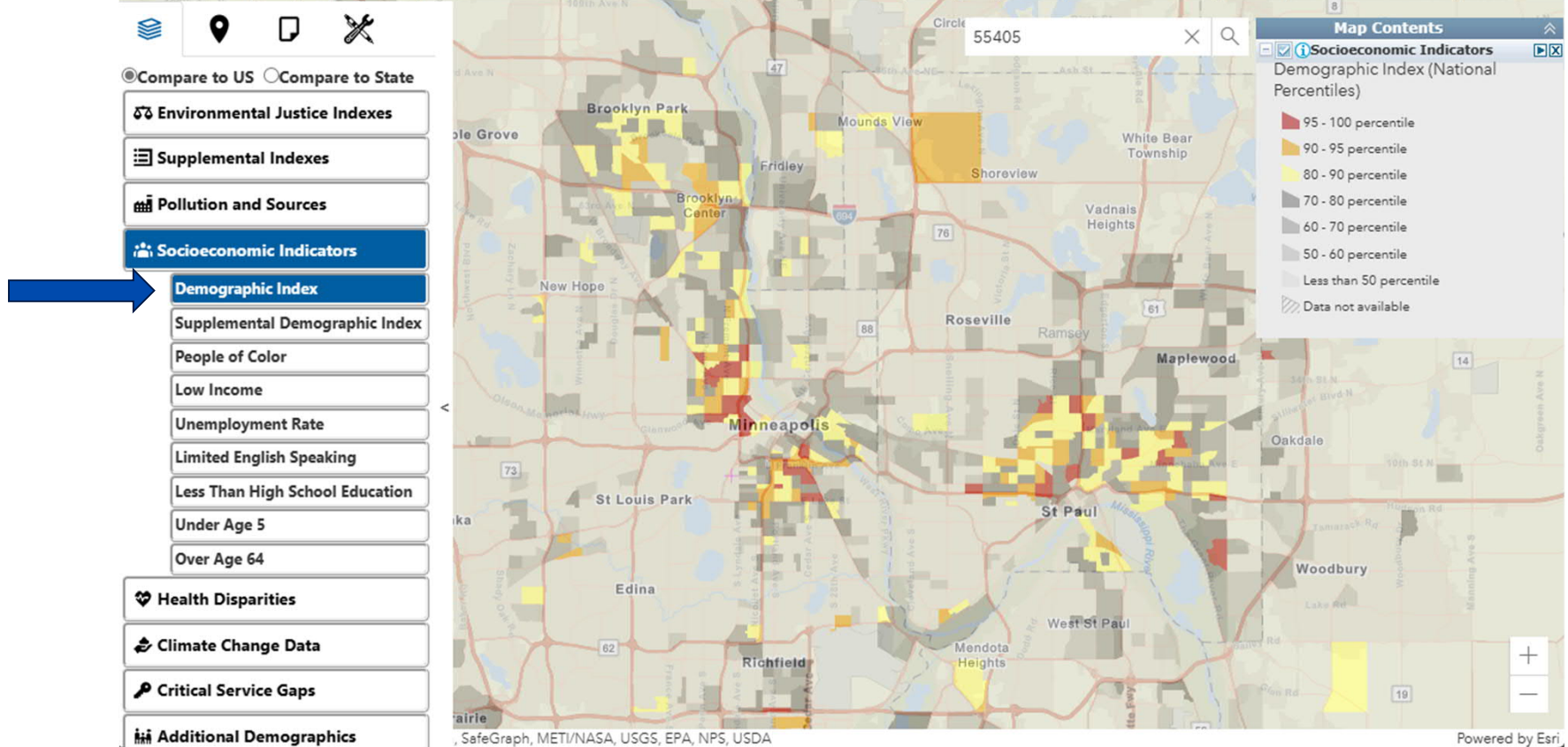


# Transportation Corridor (Low Income & Minority Map)

**EPA EJScreen** EPA's Environmental Justice Screening and Mapping Tool (Version 2.2)

[EJScreen Website](#) | [Mobile](#) | [Glossary](#) | [Help](#)

Please note: Territory data (except Puerto Rico) is not available as comparable to the US. It is only comparable to the territory itself by using the 'Compare to State' functionality. Likewise, some of the indicators may not be

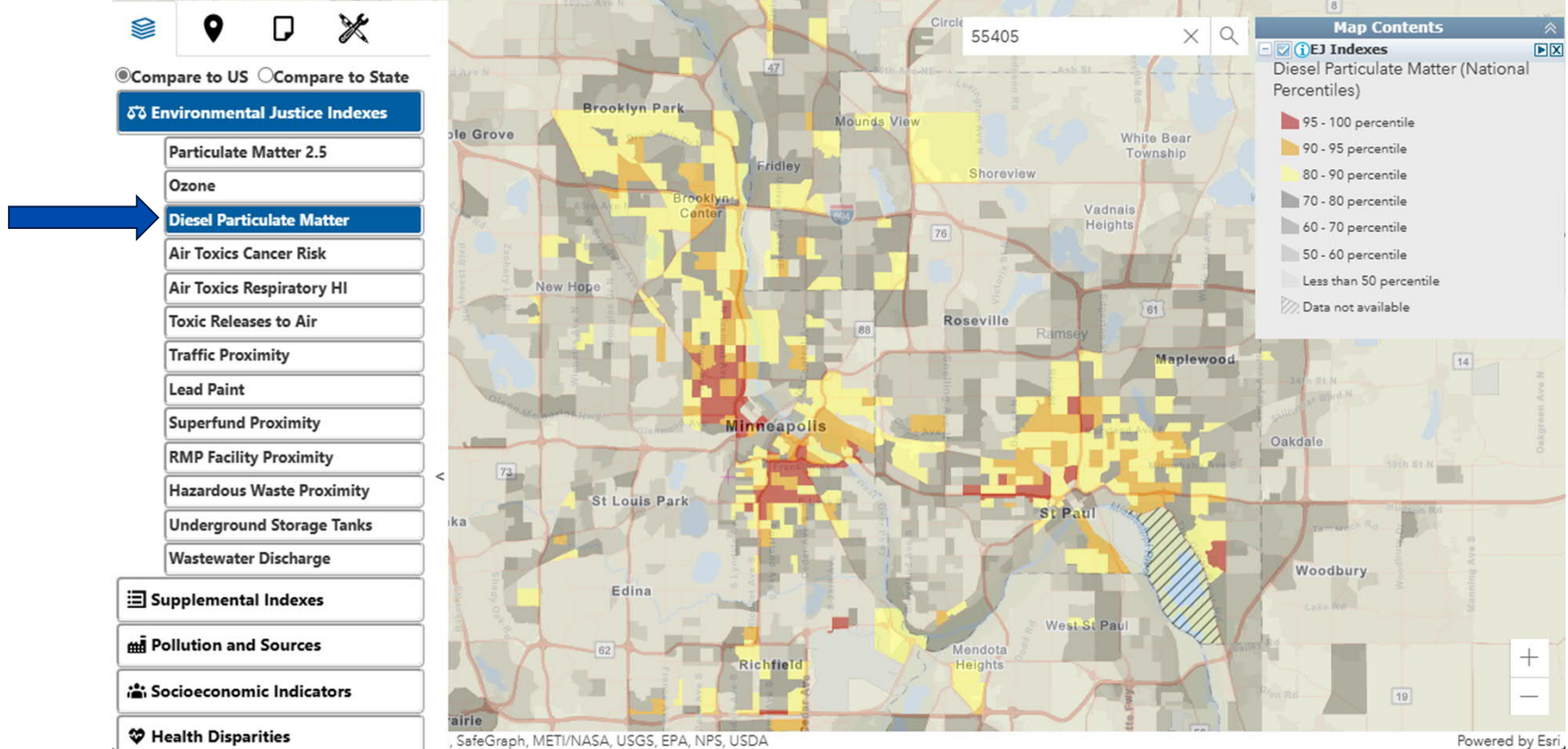


# Transportation Corridor (Diesel Particulates Prevalence Map)

**EPA EJScreen** EPA's Environmental Justice Screening and Mapping Tool (Version 2.2)

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Please note: Territory data (except Puerto Rico) is not available as comparable to the US. It is only comparable to the territory itself by using the 'Compare to State' functionality. Likewise, some of the indicators may not be



# 5 Recommendations

**Improve Data Collection and Analysis:** Develop more comprehensive and nuanced data collection methods that capture the diverse experiences and needs of different communities. This includes gathering qualitative data through community engagement to complement quantitative metrics.

**Enhance Community Engagement:** Establish robust mechanisms for meaningful community involvement in transportation planning and decision-making. This should include outreach efforts that ensure the participation of community members, particularly those from underserved groups to speak about health and economic impact.

**Adopt an Integrated Approach:** Encourage interdisciplinary research that examines the intersections between transportation, health, environment, economics, and equity. This approach will help identify holistic solutions that address multiple objectives simultaneously.

**Implement Equity Assessments:** Incorporate equity assessments as a standard part of transportation studies and project evaluations. These assessments should consider the potential impacts of transportation decisions on different communities and aim to mitigate any negative health or economic effects.

**Promote Equity-focused Policies and Practices:** Advocate for the adoption of policies and practices that prioritize equity in transportation. This includes supporting initiatives that improve accessibility, reduce disparities, and ensure that transportation systems contribute positively to the health and economic well-being of all community members.

[Link to White Paper](#)



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# Appendix

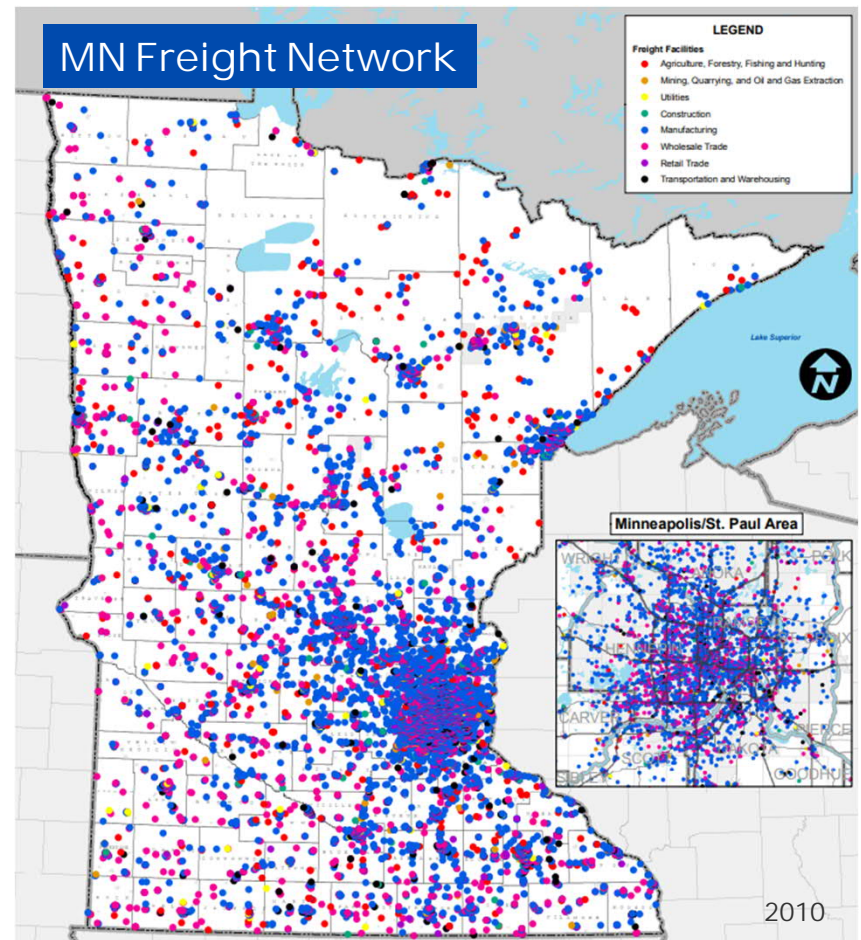
MN  
Economic  
Activity

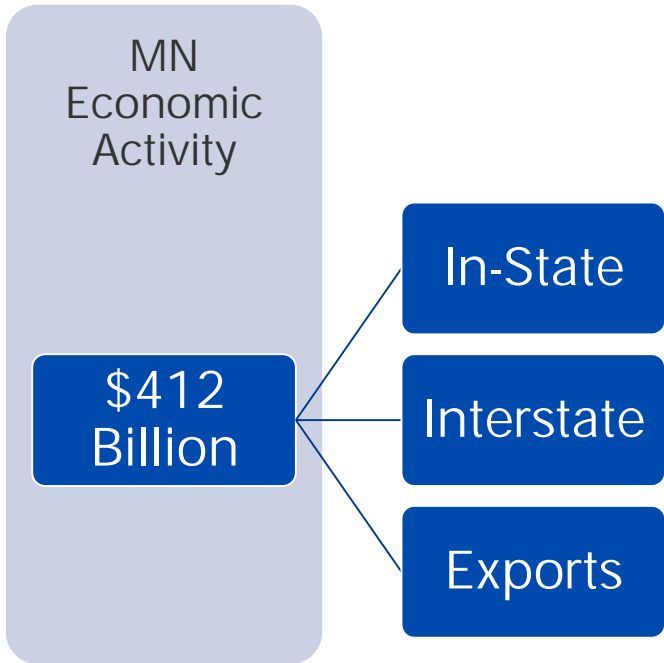
\$412  
Billion

In-State

Interstate

Exports





**Table 4.1 Modal Usage of Minnesota’s Freight-Related Industries**

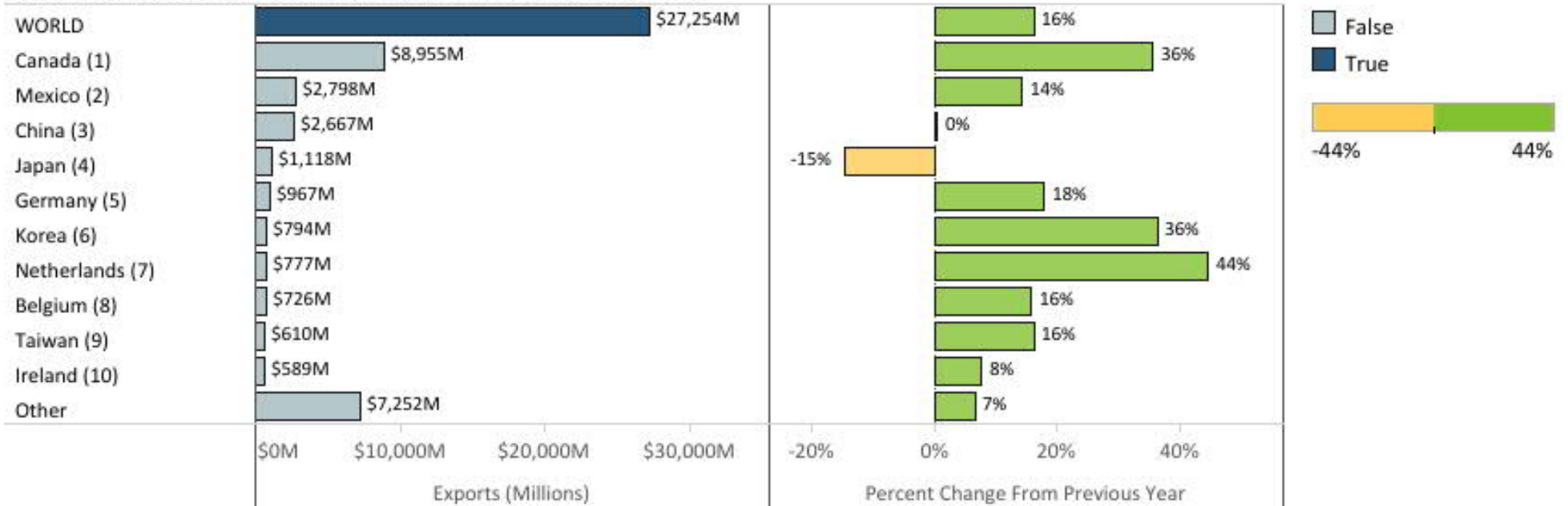
(NAICS) Industry	Highway	Rail	Water	Air	Pipeline
(11) Agriculture, Forestry, Fishing and Hunting	●	●	●	○	○
(21) Mining	●	●	◐	○	●
(22) Utilities	●	●	◐	○	●
(23) Construction	●	◐	○	○	○
(31-33) Manufacturing	●	●	○	◐	○
(42) Wholesale Trade	●	●	○	○	○
(44-45) Retail Trade	●	◐	○	◐	○
(48-49) Transportation and Warehousing	●	●	○	◐	○

**Key:** Less important ○ ◐ ● More Important

Source: InfoUSA, 2014

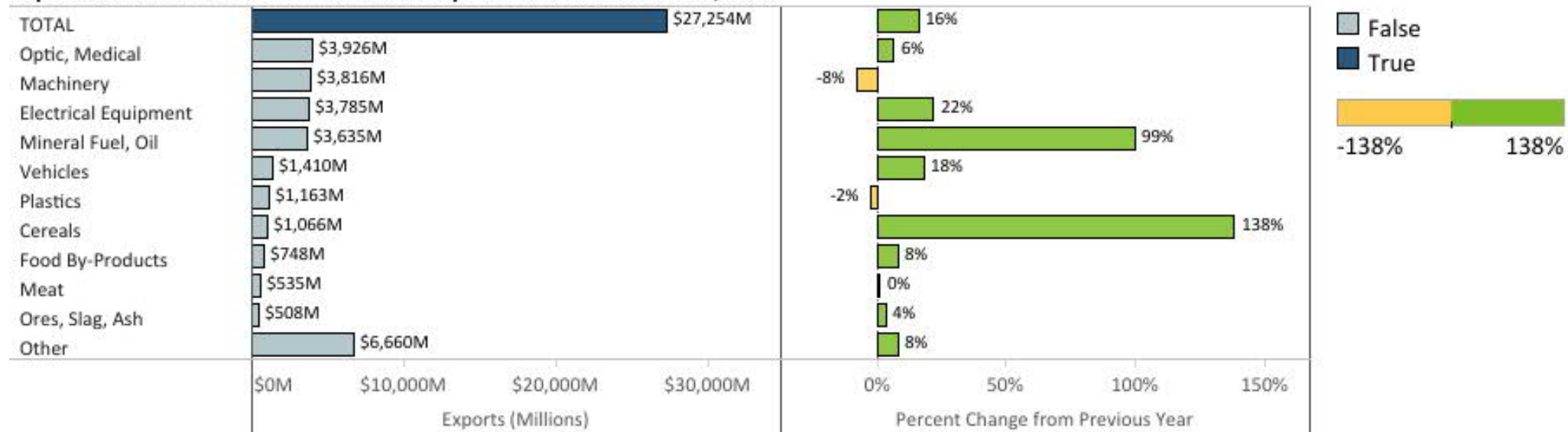
# Minnesota Exports – By Geography

Exports and Trends for Minnesota's Top 10 Markets, 2022

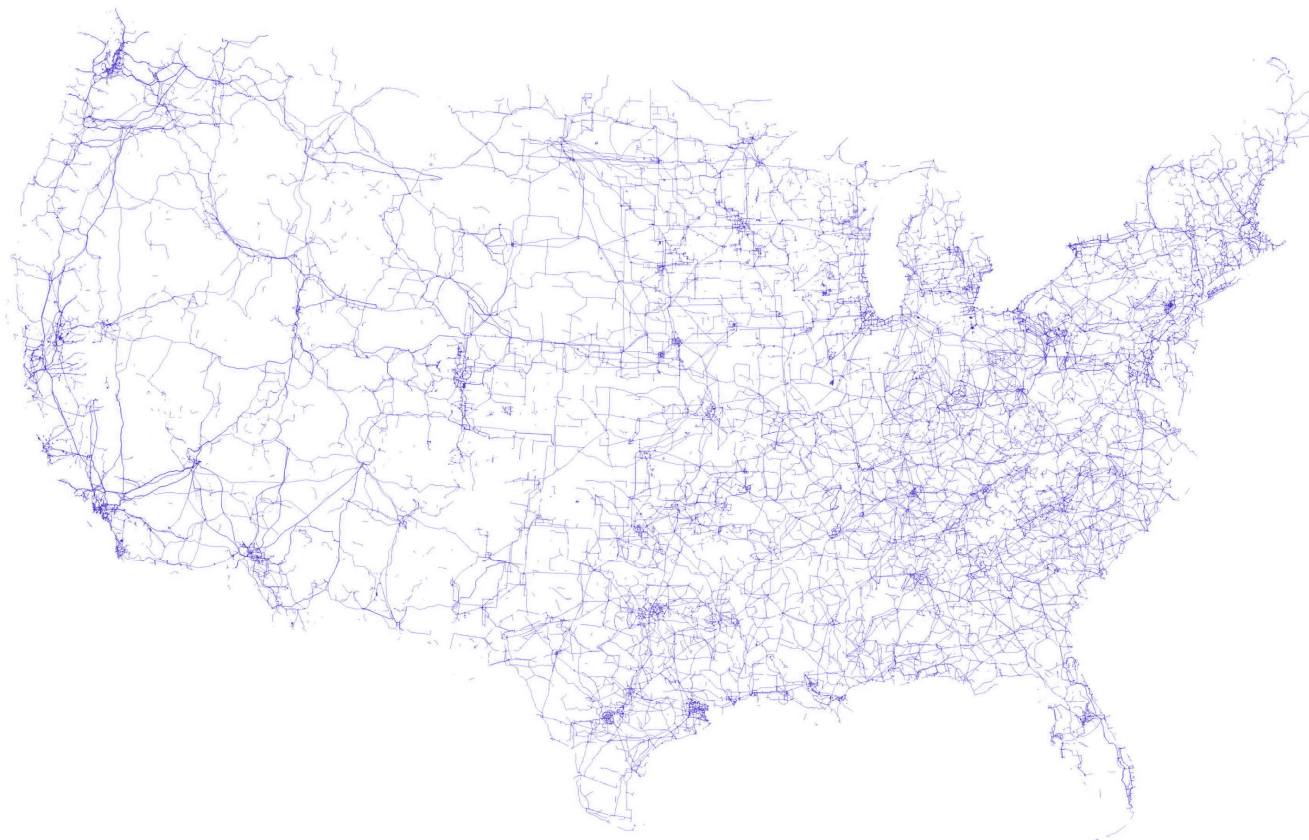


# Minnesota Exports – By Product

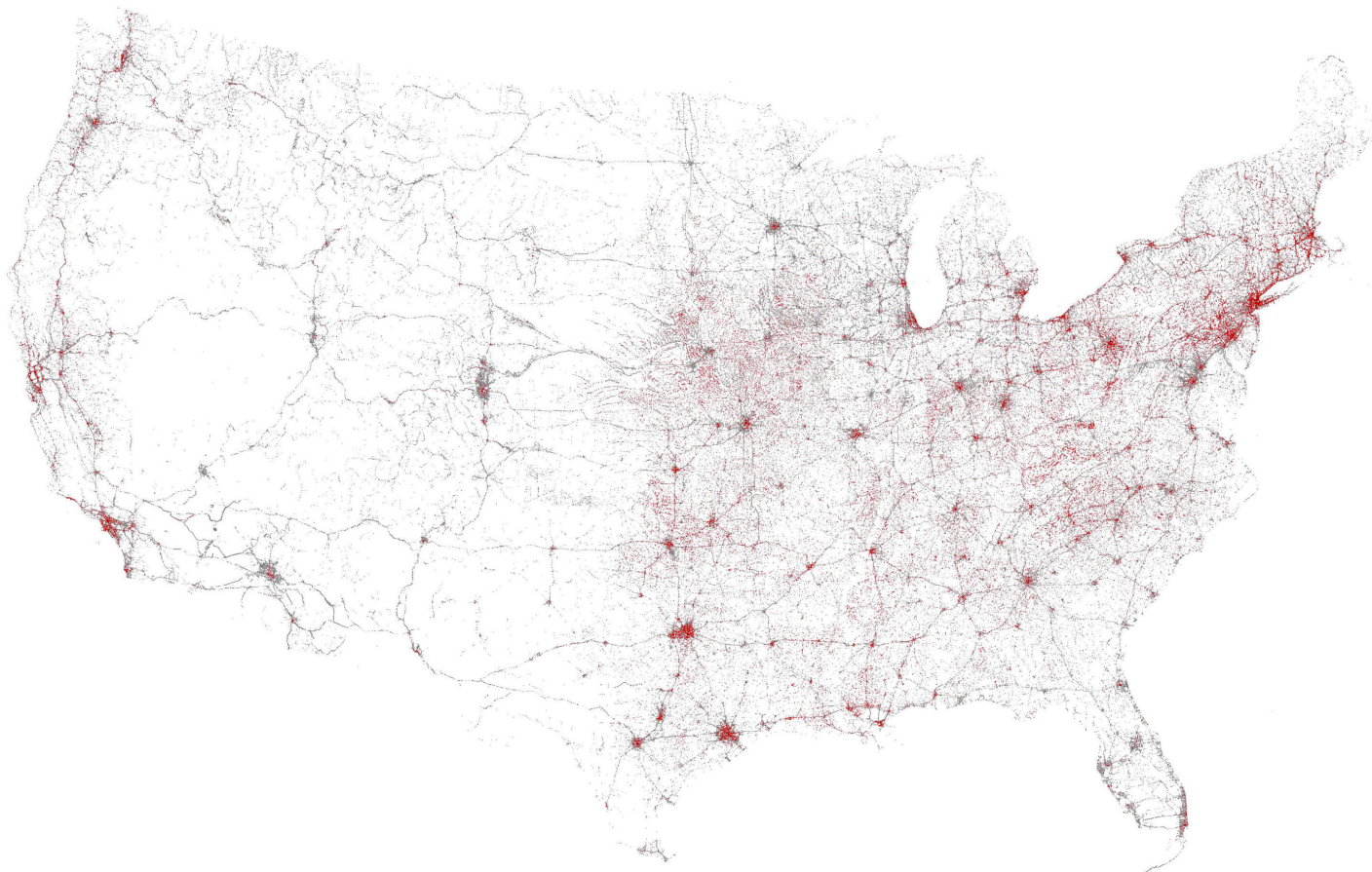
Exports and Trends for Minnesota's Top 10 Products to World, 2022



# U.S. Electric Grid



# U.S. Bridges



# U.S. Pipelines

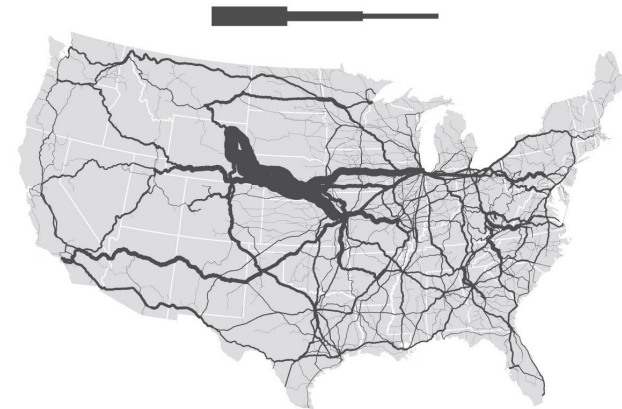




# U.S. Railroads



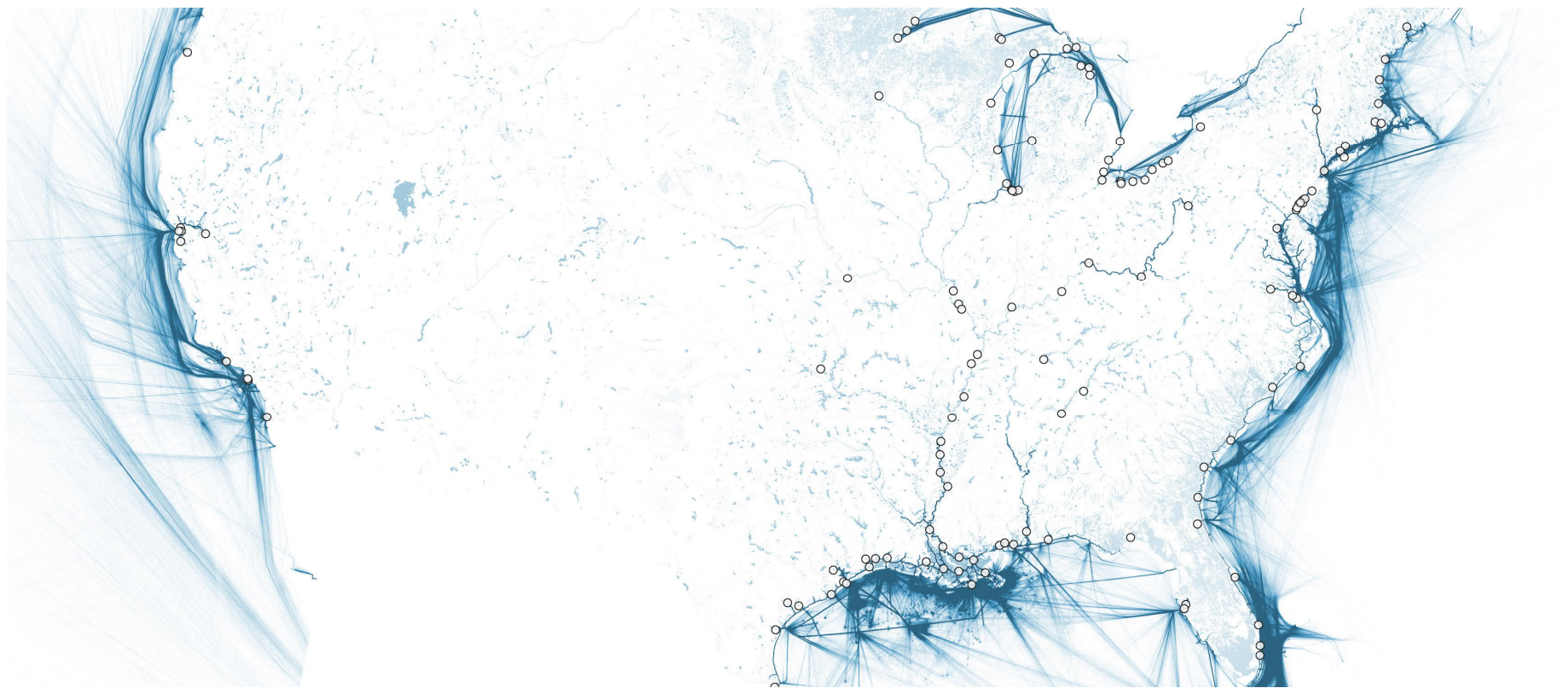
Freight Tonnage



# U.S. Airports



# U.S. Seaports



# Bipartisan Infrastructure Law Projects

