

Transportation Multi-Modal Capital Investments are Essential for Climate Progress

Sam Rockwell

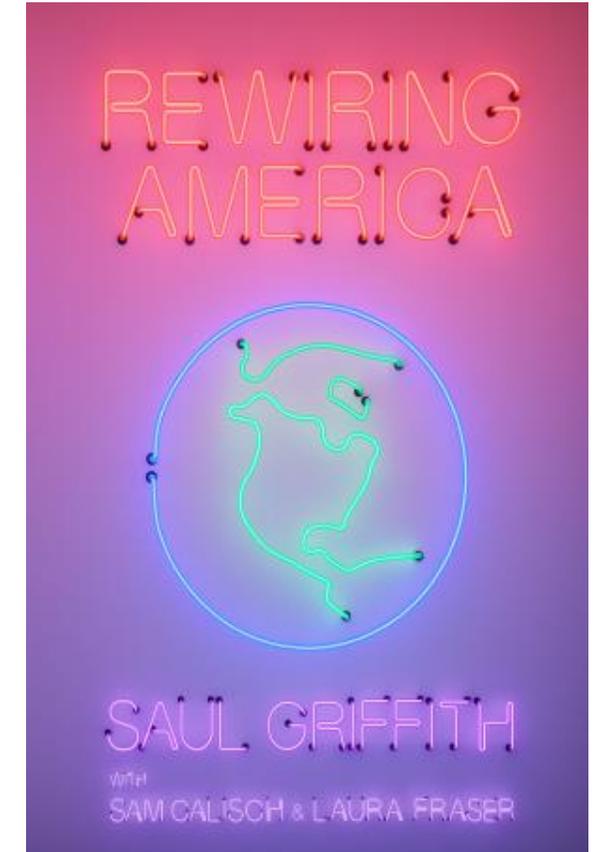
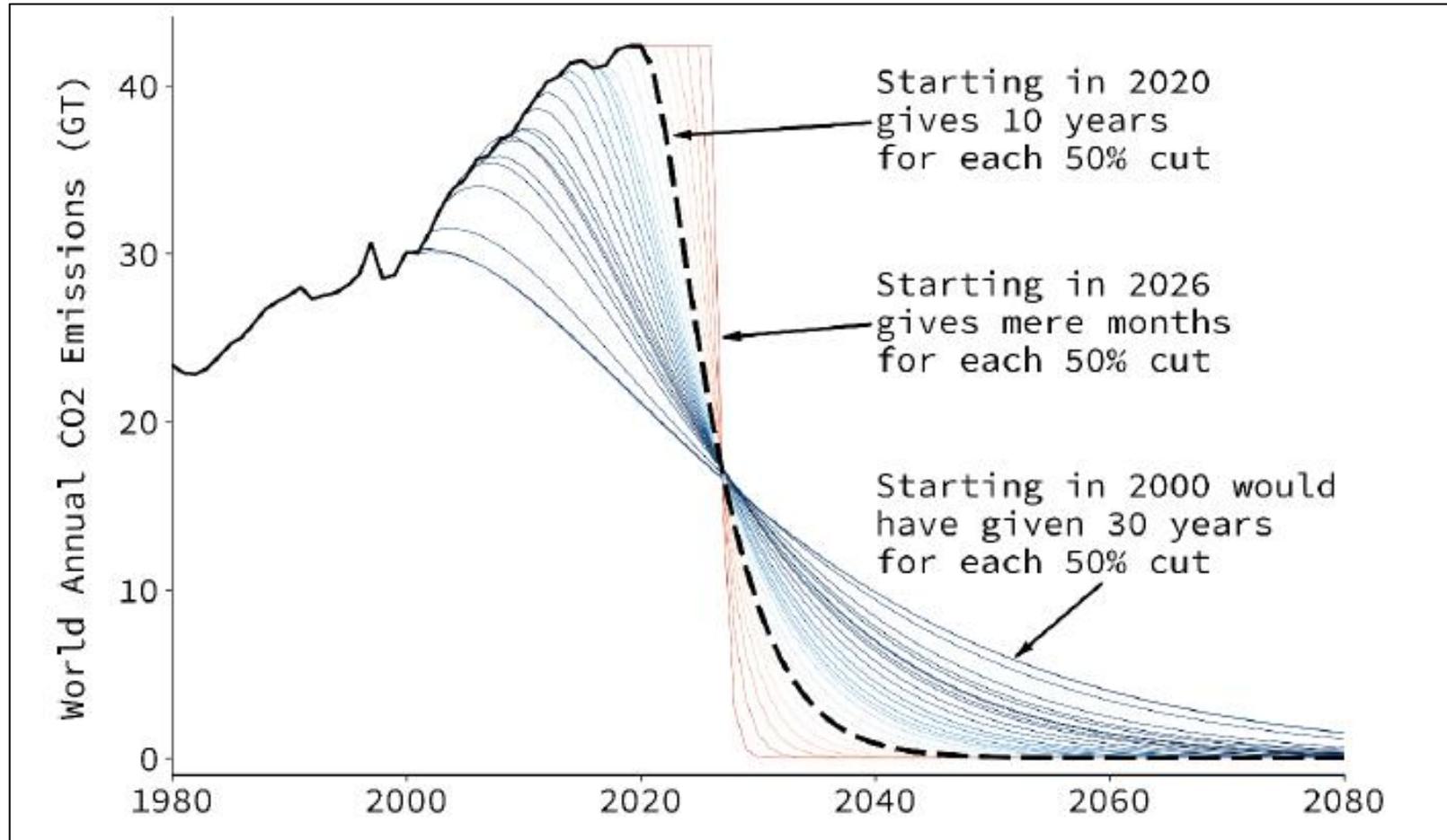
Executive Director, Move Minnesota

samr@movemn.org

Testimony: January 29, 2021, 10:30 AM
Minnesota House Capital Investment and
Climate and Energy Climate Policy and Finance Committees

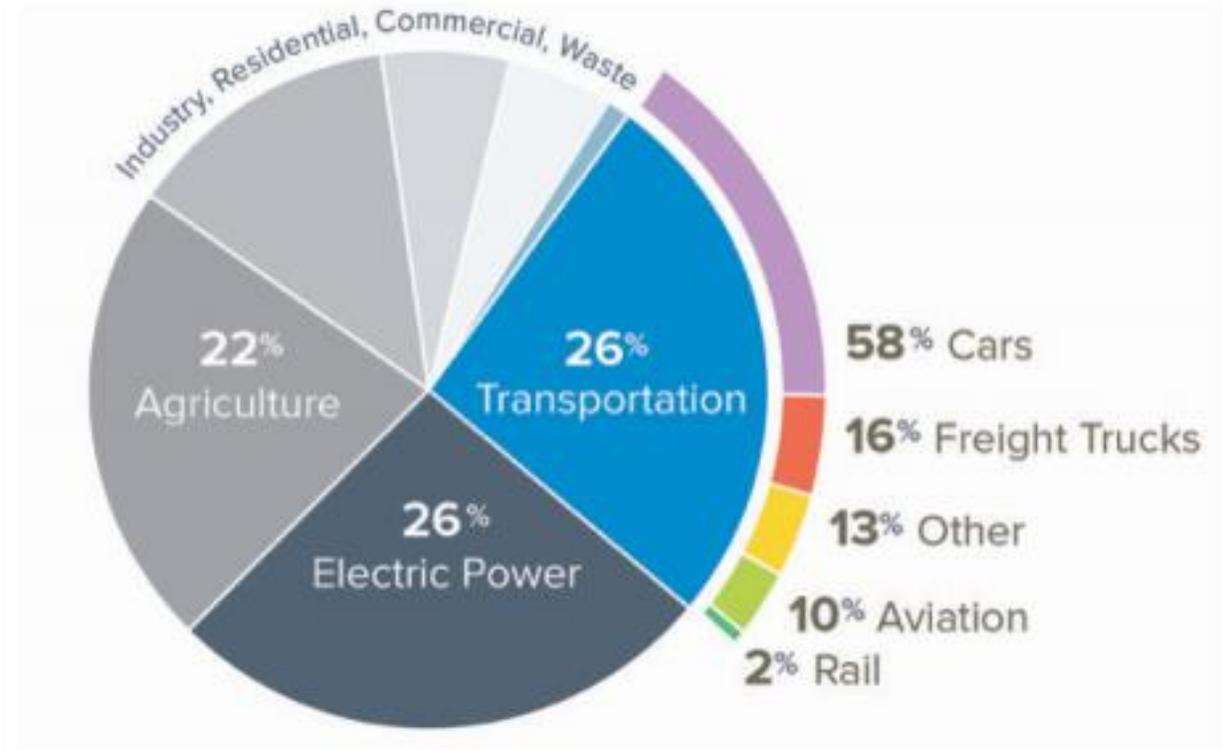


The Challenge We Face: Climate



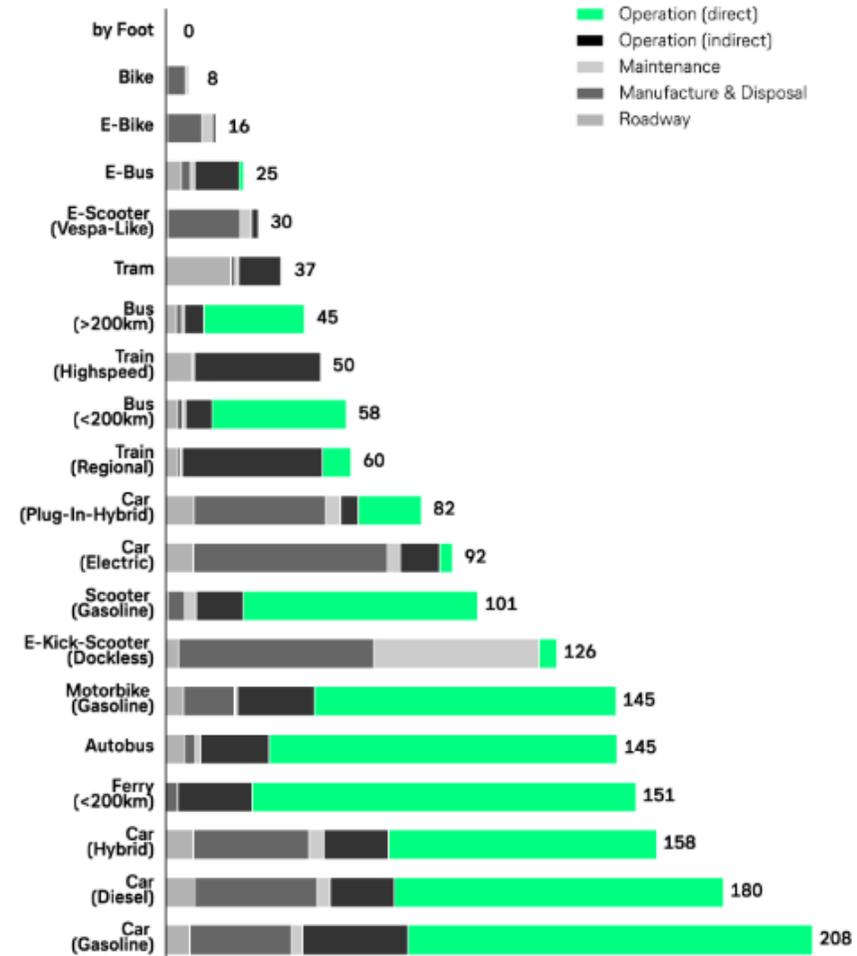
The Challenge We Face: Climate

2016 MINNESOTA GHG EMISSIONS BY SECTOR & SOURCE

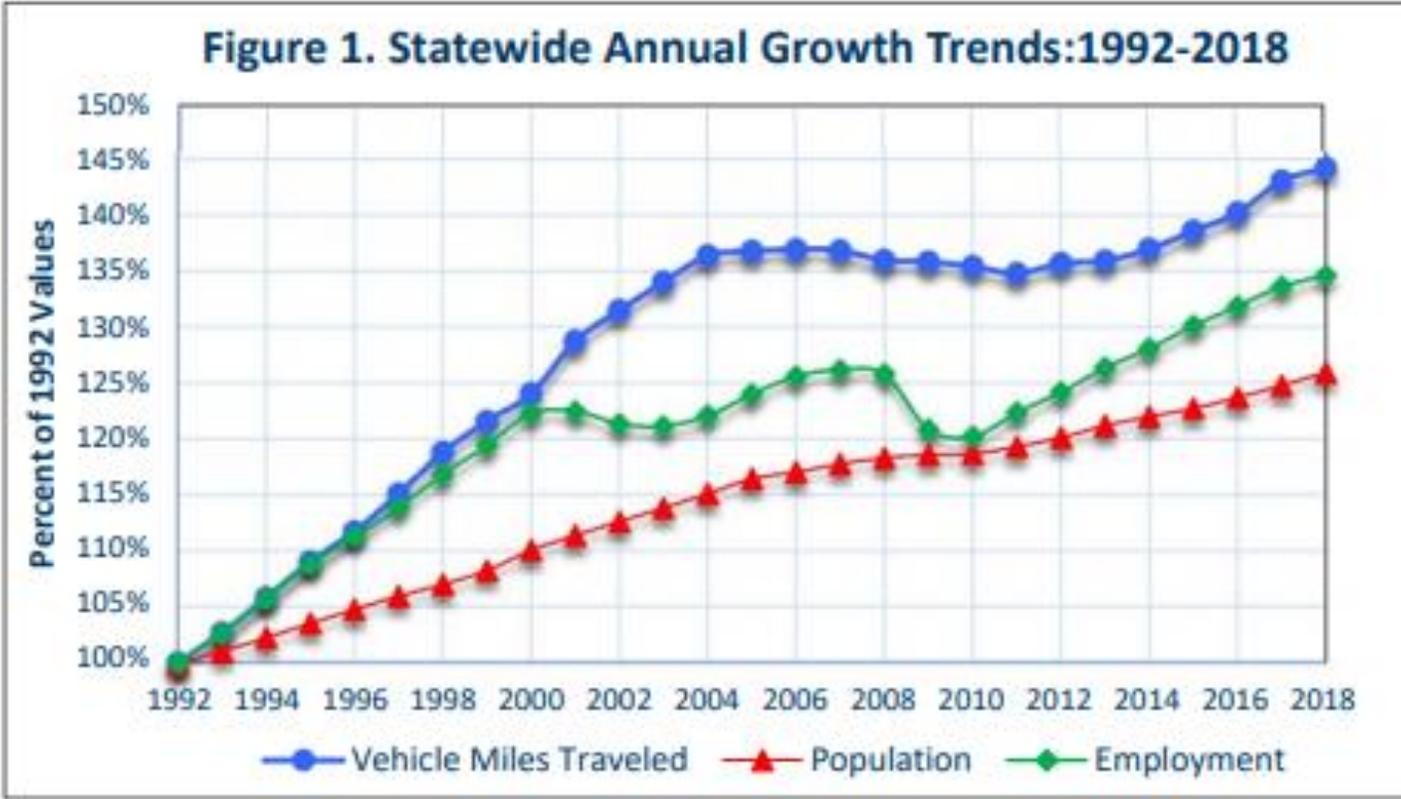


Won't EV's Get Us to Climate Goals?

LH AVERAGE CARBON EMISSIONS BY TRANSPORT MODE BROKEN DOWN BY CATEGORY (IN GRAM PER PKM)



Total VMT has continues to climb...



Source: Minnesota State Demographic Center;
Minnesota Department of Employment and Economic Development;
MnDOT, Office of Transportation System Management

A leader in road miles...

Road Miles by State: Sorted from Most to Least

STATE	TOTAL LANE MILES
Texas	679,917
California	394,383
Illinois	306,614
Kansas	289,948
Minnesota	286,708
Missouri	276,619
Florida	274,149

...Which induces demand for driving

How Fast Must We Act? At What Scale?

- As fast as possible:
 - **MN House Climate Action Plan:** “Build out bus-rapid transit and passenger rail systems in both the metro area and greater Minnesota to connect more people with mass transit options [and] Change transportation and land use planning to reduce the need to drive.”
 - **MnDOT STAC:** “Adopt a statewide goal of reducing VMT [Vehicle Miles Traveled] by 20% by 2050.”
 - Minneapolis: analysis shows 38% VMT reduction needed to achieve 80% emissions reduction by 2050.
 - St. Paul: 50% VMT reduction by 2050 needed.
 - CA analysis: Statewide VMT reduction of 15-25% needed to meet climate goals, but VMT reduction cannot happen in every corner of the state.
 - DE analysis: 20% reduction across the state
 - WA analysis: 50% per capita reduction
 - Rocky Mountain Inst.: 30% VMT reduction by 2030 across U.S.

NOTE: All analyses take aggressive vehicle electrification into account   

The Challenge We Face: Race, Economic, and Class Inequality

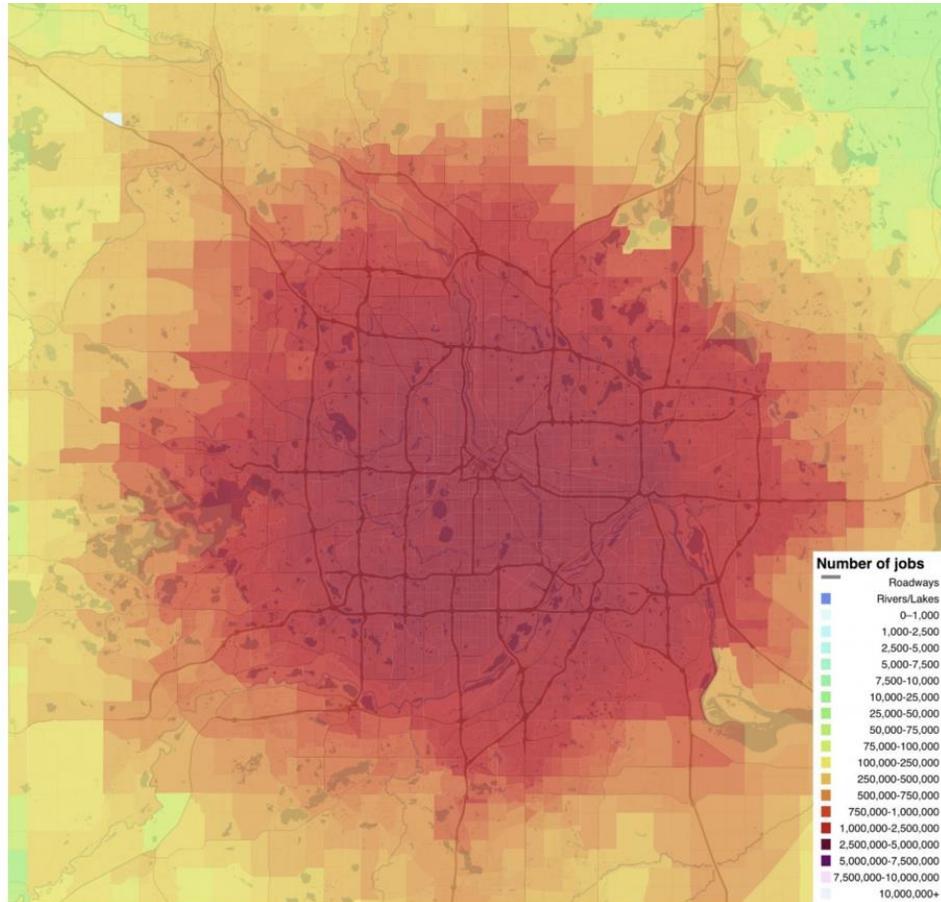


Figure 21 Automobile job accessibility within 30-minutes of travel in the Minneapolis–Saint Paul metropolitan area.

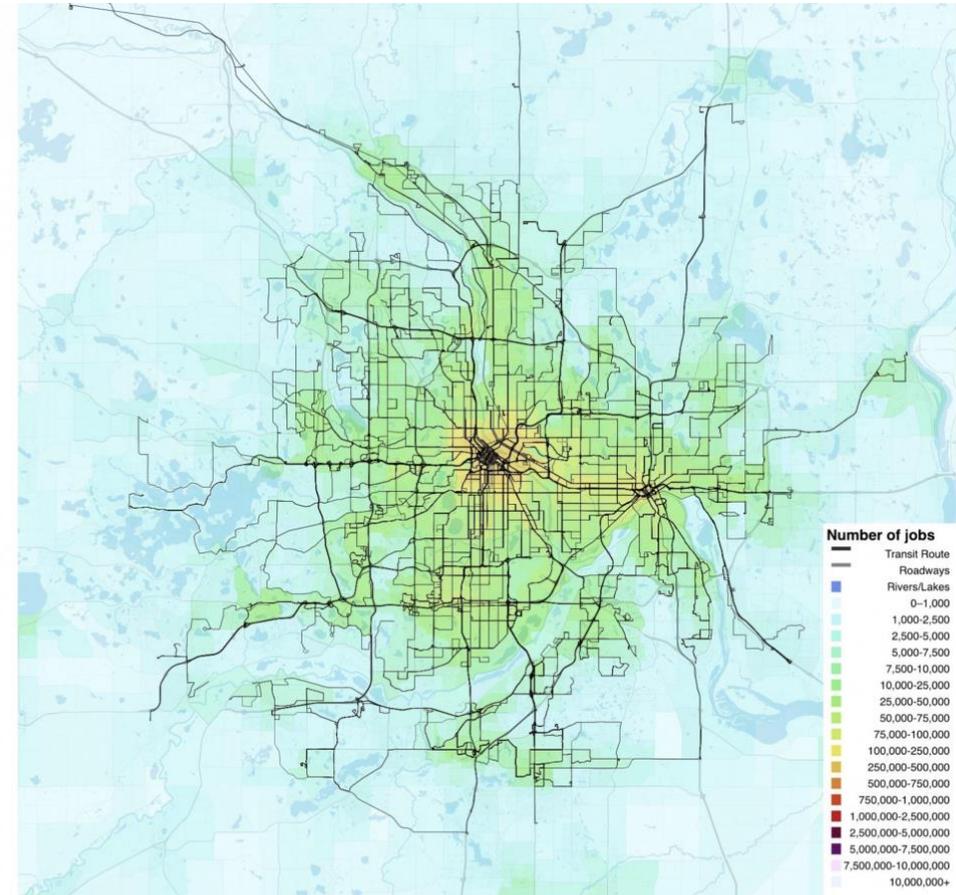


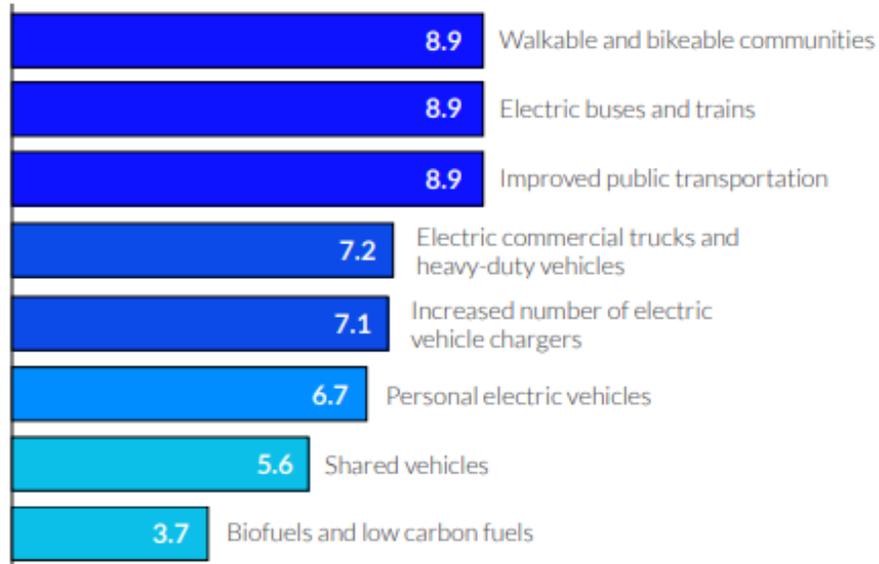
Figure 22 Walk-up transit job accessibility within 30-minutes of travel in the Minneapolis–Saint Paul metropolitan area.



Will Minnesotans Support This?



Public scoring results for transportation decarbonization strategies (10 = support)



Survey results from MnDOT Pathways report



All of Minnesota's Communities Benefit from Significant Biking, Walking, and Transit Investments



Hopkins, MN; population 18K;
community type: suburb

image: Wikipedia



Tower, MN; population 420; community
type: rural town

Image: TEDA



Minneapolis, MN; population 420K;
community type: city

image: MPR



Greater Minnesota
Transit Investment
Plan