

Breakout Session on Transportation & Land Use

<p>Vision & Long-Term Goals:</p> <ul style="list-style-type: none"> • Increased Transportation Choices • Complete Neighborhoods – easier access to everything • Mode Shifts – for commuting and short trips • Reduce Vehicle Miles Traveled • Reduce Car ownership per capita • Electrification of Transportation • Strong Towns – reduce the amount of pavement you need to maintain 	<p>Action Benefits:</p> <ul style="list-style-type: none"> • GHG Emissions Reduction & Improved Air Quality • Transportation cost savings • Improved walkability, Active Living, Health • Employers can attract more staff • Climate Resilience, Increased comfort • Economic Development • Mobility Equity • In-fill development, increase tax base
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High Impact Actions

**Advocate for sustained investment in transit infrastructure & operations.
Reprioritize transportation spending.**

Action #1 Support sustained state, regional & county investments in transit and Reprioritize transportation spending. <i>See page</i>		
	Discussion Notes: Questions, Challenges, Needs	Next Steps: Interested Cities & Leaders
<p>Examples: Re-direct federal, MN, county spending toward fix it first, transit, bikes</p> <p>Fund completion of Metro LRT & BRT Plans</p> <p>Free Transit Fares</p> <p>Electric Busses</p> <p>Bike/Ped Trails, Safe Routes to Schools</p> <p>MN SHIP</p> <p>Purpose: to fund low carbon transportation</p> <p>Cities Working on it: Metro Mayors, ULI</p> <p>Resources: Move MN, Sierra Club, Mn350, Fresh Energy, MCEA, Bike MN, MN DOT</p>		

Re-prioritize the use of city right of ways and how streets, sidewalks, boulevards are used

Action #2		
Prioritize pedestrians, bikes, transit over single occupancy vehicles in public right of ways <i>See page</i>		
Examples:	Discussion Notes: Questions, Challenges, Needs	Next Steps: Interested Cities & Leaders
Living /Complete Streets Policies Redesign streets during reconstruction – county, city Reduce speed limits City-wide bike and pedestrian plans & funding to implement them Reduce free parking Purpose: make the right choice the convenient & safe choice Cities Working on it: Mpls, Edina, SLP, Mtka Resources: Barb Thoman, Move MN, Bike MN, Metro Transit, Counties, Minneapolis		

Make the most of new BRT, LRT and Commuter Transit Stops in your city

Action #3		
Plan for successful & equitable in-fill redevelopment <i>See page</i>		
Examples:	Discussion Notes: Questions, Challenges, Needs	Next Steps: Interested Cities & Leaders
Rezone for higher density TOD & mixed- use Bike, pedestrian & transit infrastructure Address the “last mile” connections Reduce/eliminate parking minimums Reduce free parking, car-sharing Inclusionary zoning, Preserve NOAH TOD with net zero buildings via PACE Purpose: reduce VMT, walkable, convenient, equitable, communities Resources: MN APA, U of MN, GreenStep Cities, Move MN		

Electrification of Transportation

Action #4 Support increased adoption of Electric Vehicles <i>See page</i>		
Examples:	Discussion Notes: Questions, Challenges, Needs	Next Steps: Interested Cities & Leaders
Assess city fleet and add EVs EV charging for city vehicles and Public EV charging spots City Ordinance requiring E.V. parking in new development County-wide E.V. Infrastructure planning Support Increased state funding for E.V. charging (Bonding Bill) Support implementation of MN Clean Car Standards Purpose: Electrification of transportation Cities Working on it: SLP, Edina, Bloomington, Minneapolis Resources: GPI, Cities Charging Ahead, Drive Electric MN, Plug In Connect, MN DOT		

Shared and Advanced Mobility

Action #5 Create a joint powers agreement between interested metro cities to regulate privately funded shared mobility –see page		
Examples:	Discussion Notes: Questions, Challenges, Needs	Next Steps: Interested Cities & Leaders
City Policies regulating Ride share, Bikes, Scooters, Possible a joint powers agreement between interested metro cities Prevent state level pre-emption for cities to regulate shared mobility Purpose: more negotiating power Cities Working on it: Metro Shared Mobility Coalition, Resources: Move MN & Metro Shared Mobility Coalition, Nice Ride		

Success Measures – Transportation & Land Use

Success Indicators	Past Paradigms	New Paradigms
<ul style="list-style-type: none"> - Reduce VMT - Reduce cars per capita - Mode shift – commuting, short, trips - Household Transportation costs - Combined housing affordability H + T - Air Travel? 	<ul style="list-style-type: none"> - Transportation spending focus on cars - Road expansion - Lower density zoning - Owning a car provides easy access to work, shopping, recreation - Prioritize cars in public right of way - Design for cars, speed 	<ul style="list-style-type: none"> - Transportation Choices - Balanced Investments - Fix it first - Higher density zoning, mixed use, TOD - Mobility Equity - Prioritize peds, bikes & transit in right of way - Active Living design - Lower speed limits
<p>Equity – What are our opportunities & risks? How do we address them?</p>		

Next Steps

Possible Ways Our Cities Could Work Together	
Ways Hennepin County & Met Council can help	Ways State Agencies & NGOs can help cities
State Policy Changes that would help cities	Ways cities can collaborate toward their energy supply goals?
<p>Who's interested in meeting up again to further explore ways our cities can collaborate to make progress on this area?</p> <p>Names/Cities:</p>	

Breakout Session Co-Facilitators

Jennifer Munt MCI, AforS 952-540-7147 jennifer.munt@outlook.com

Jeffrey Meek MN DOT 651-366-4263 jeffreydmeek@gmail.com

Barb Thoman MN GreenStep Cities 651 500-5958 thomwell@bitstream.net

Resilient Cities & Communities Coalition

Collaborating to achieve (and live) a resilient future www.afors.org/resilientcities



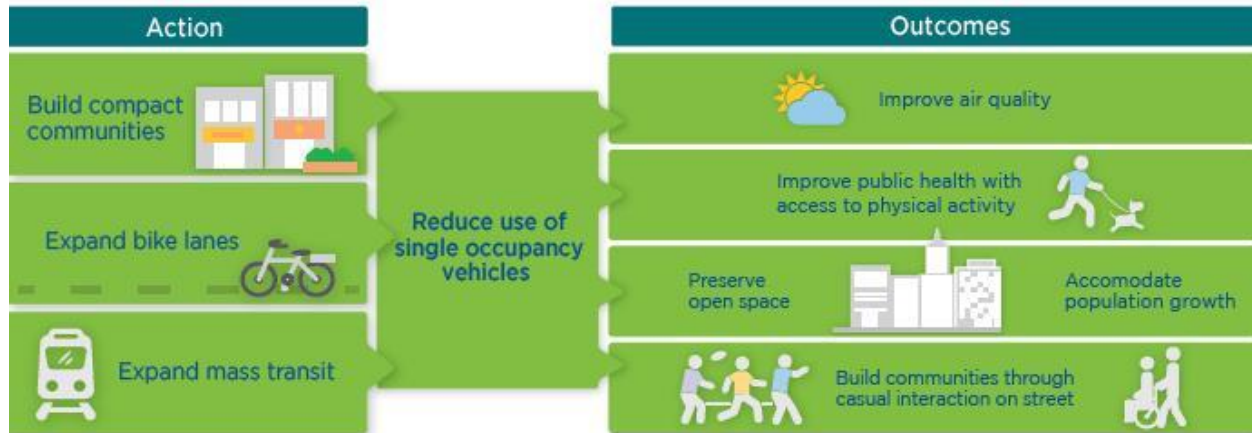
Alliance for Sustainability

Ecologically sound,
economically viable,
socially just and humane

Sean Gosiewski,
Executive Director,
Alliance for Sustainability,
612-250-0389 sean@afors.org

Transportation & Land use Resources

Reducing greenhouse gas emissions in our communities



Resource People

- **Brian Ross**, Senior Program Director, Great Plains Institute, 612-767-7296, bross@gpsid.net
- **Sample Suite of E.V. Ordinances for cities** soon to be available through the Cities Charging Ahead - multi-city co-hort. <https://www.betterenergy.org/blog/the-ev-olution-is-here/>
- "Accelerating Electric Vehicle Adoption: A Vision for Minnesota," MNdot, MPCA, GPI Study <https://www.betterenergy.org/blog/minnesota-releases-a-vision-for-an-electric-vehicle-future>
- Drive Electric MN <https://www.driveelectricmn.org>
- **Jeffrey Meek** Sustainability Coordinator, **Minnesota Department of Transportation, Office of Sustainability** 651-366-4263 jeffrey.meek@state.mn.us **Pathways to Decarbonizing Transportation Study** www.dot.state.mn.us/sustainability/pathways.html
- **Phil Muessig**, MPCA, MN Greenstep Cities Coordinator; 651-757-2594, Philipp.muessig@state.mn.us **List of model local ordinances** <https://greenstep.pca.state.mn.us/index.php/page/ordinances>
- **Frank Douma**, Humphrey School of Public Affairs Research Fellow, Director State and Local Policy Program douma002@umn.edu **Self-Driving Vehicles on the Horizon; Humphrey School Works to Ensure They're Accessible to All** www.hhh.umn.edu/news/self-driving-vehicles-horizon-humphrey-school-works-ensure-theyre-accessible-all
- **Josh Johnson**, Advanced Mobility City of Minneapolis (612) 720-7969 joshua.johnson2@minneapolismn.gov City of **Minneapolis Transportation Action Plan** <http://go.minneapolismn.gov/> and **Advanced Mobility Hubs** <http://go.minneapolismn.gov/transportation-topics/advanced-mobility>
- **Bill Dossett**, Twin Cities Shared Mobility Coalition (612) 747-4659 bdossett@niceridemn.org billdossett87@gmail.com Bill is the Coalition's lead for Inter-Jurisdictional Coordination and is supporting metro cities to explore creating a joint powers agreement to regulate privately funded shared mobility services to be able to negotiate as a combined block of cities with Uber, Lyft, bike share and scooter services etc. <https://sharedusemobilitycenter.org/twin-cities-shared-mobility-collaborative/>
- **Mauricio León**, Metropolitan Council Senior Researcher, Regional Indicators 651 602-1146 mauricio.leon@metc.state.mn.us Over the next two years, the Met Council will add **Metro Climate Stats** and a **Scenario Planning tool to the Energy and resilience planning resources** provided to cities during comp planning <https://metro council.org/Handbook/Plan-Elements/Resilience.aspx>
- **Cameran Bailey**, Metropolitan Council 651.602.1212 cameran.bailey@metc.state.mn.us

**Advocate for sustained investment in transit infrastructure & operations.
Reprioritize transportation spending.**

Action 1. Support sustained state, regional & county investments in transit

- **Re-direct federal, MN, county spending toward maintenance transit, bikes**
- **Fund completion of LRT & BRT Plans**
- **Free Transit Fares, Electric Busses**
- **Bike/Ped Trails, Safe Routes, MN SHIP**

Cities working on it: Mpls, Edina, SLP

Resources:

Move MN - <https://www.movemn.org/our-work/advocacy/>

- Theresa Thompson Nix Field Manager 651-789-1406 theresatn@movemn.org

Transportation Forward Coalition <http://www.transportationforwardmn.org/>

- It's time for the Minnesota legislature to fund a 21st-century transportation system and position all our families, communities, and businesses for economic health and quality of life.
- Coalition Partners <http://www.transportationforwardmn.org/about/#coalition-partners>

Sierra Club MN <https://www.sierraclub.org/minnesota/land-use-transportation>

- **Coalition for Clean Transportation** – Fresh Energy, Sierra Club, MN 350
- **Joshua Houdek**, Land Use & Transportation Coordinator, Sierra Club, (612) 659-9124
joshua.houdek@sierraclub.org

Metro Council – investments & community grants from Federal Transportation Dollars

- <https://metro council.org/Transportation/Planning-2/Transportation-Funding/Federal-Funding.aspx>

Hennepin County Transportation spending - roads, bridges, bikes, transit, EVs

- **Mobility 2040 Plan** <https://www.hennepin.us/business/work-with-henn-co/transportation-planning-design>

State Bonding Requests for 2020 (Proposed by Governor Walz)

Department of Transportation

- **Safe Routes to School Infrastructure Program:** \$10 million
a portion to partner w/ MN Tribal Nations for pedestrian safety projects on reservations

Metropolitan Council

- **Regional Parks and Trails Grant Program:** \$10 million
- **Busway Capital Improvement Program Bus Rapid Transit** \$55 million
Design, environmental work, acquisition of right-of-way, engineering, and construction along regional busway corridors

Minnesota Pollution Control Agency

- **Community Electric Vehicle Infrastructure Grant Program**
Grants to local governments to install fast-charging network \$12 million
Installation of chargers on state property \$ 2 million

Re-prioritize the use of city right of ways and how streets, sidewalks, boulevards are used

Action 2. Prioritize pedestrians, bikes, transit over single occupancy vehicles –

- **Adopt Living /Complete Streets Policies**
- **Redesign streets during reconstruction**
- **Reduce speed limits, Sidewalks & trails**

Resources

MN Greenstep Cities Land Use & Transportation MN GreenStep best practices,

- **Phil Muessig**, MN Greenstep Cities Coordinator, 651-757-2594, Philipp.muessig@state.mn.us
<https://greenstep.pca.state.mn.us/bestPractices.cfm>
- **Parking Policy Resources** - Barb Thoman 651 500-5958 thomwell@bitstream.net

City of Minneapolis

- **Move Minneapolis** Long range transportation and advanced mobility plan
<https://moveminneapolis.org/>
- **Advanced Mobility** Josh Johnson City of Minneapolis (612) 720-7969
joshua.johnson2@minneapolismn.gov
- **Vision Zero** – reducing speed limits, <https://www.visionzerompls.com/speedlimit-s>
Ethan Fawley | Vision Zero Program Coordinator 612-673-5983 | Cell: 612-394-3895 |
ethan.fawley@minneapolismn.gov

City of Edina Transportation Planning & Transportation Commission

- <https://www.edinamn.gov/488/Transportation-Planning>
- Andrew Scipioni - Transportation Planner 952-826-0440 ascipioni@EdinaMN.gov
- This multimodal transportation vision is based in part on community values reflected in Vision Edina, the City's Comprehensive Plan.
- **Living Streets Policy and Implementation Plan**, which describe Edina's vision for Living Streets.
Living Streets Policy www.edinamn.gov/DocumentCenter/View/1199/Living-Streets-Plan-PDF

Bike Alliance of MN www.bikemn.org

- **Dorian Grilley** Executive Director 651-387-2445 dorian@bikemn.org
- Bike-Friendly Community Check List and Recognition
- Walking Bike/Ped Safety Audits
- State level policy advocacy, coalition of mayors

Our Streets Minneapolis www.ourstreetsmpls.org/

- Ash Narayanan, Executive Director 612-568-6227 ash@ourstreetsmpls.org

Active Living Hennepin Communities

- <https://www.hennepin.us/your-government/projects-initiatives/active-living>
- Denise Engen Active Living Hennepin Communities (612) 348-4454 Denise.Engen@hennepin.us
- Previous workshop materials <https://www.hennepin.us/your-government/projects-initiatives/active-living>

**Make the most of new BRT, LRT and Commuter Transit Stops in your city
to add density & facilitate mode shifts**

Action 3. Plan for successful & equitable redevelopment

- Rezone for higher density & mixed- use TOD
- Prioritize bike, pedestrian & transit infrastructure
- Address the “last mile” connections
- Reduce/eliminate parking minimums
- Reduce free parking, Include car-sharing
- Inclusionary zoning, Preserve & maintain NOAH
- Work for TOD with net zero buildings via PACE

Hennepin County – Transit Oriented Development

<https://www.hennepin.us/business/work-with-henn-co/transit-oriented-development>

- **Ryan Kelly**, TOD Coordinator 612-348-4191 ryan.Kelley@hennepin.us
- **Current RFP on TOD Due in Feb 6 at 3pm** <https://www.hennepin.us/-/media/hennepinus/business/work-with-hennepin-county/econ-dev/2020-TOD-Guidelines.pdf>

Metro Transit – Transit Oriented Development

- <https://www.metrotransit.org/transit-oriented-development>

Met Council – Livable Communities Demonstration Grants –

- <https://metrocouncil.org/communities/Services/Livable-Communities-Grants.aspx>

MN Green Step Cities – policy resources for reducing free parking www.mngreensteps.org

- Barb Thoman MN GreenStep Cities 651 500-5958 thomwell@bitstream.net

Electrification of Transportation

Action 4. Support increased adoption of Electric Vehicles

- Assess city fleet – make plans add EV’s
- Add public EV charging spots
- County or metro E.V. Infrastructure planning
- Increased state funding for E.V. charging
- Support implementation of MN Clean Cars

Resources:

Cities Charging Ahead <https://www.driveelectricmn.org/communities/>

- **Diana McKeown** Metro CERT Coordinator 612-227-8023 dmckeown@gpsid.net
- Including electric vehicles in city purchasing plans
- Installing electric charging infrastructure in public parking areas
- Providing guidance on EV-ready development in the private sector
- Final Report <https://www.betterenergy.org/wp-content/uploads/2018/10/Cities-Charging-Ahead-Public-document-Final.pdf>

Becoming Electric Vehicle Ready <https://www.driveelectricmn.org/becoming-ev-ready/>

- **Brian Ross**, Senior Program Director, Great Plains Institute, 612-767-7296, bross@gpisd.net

Cities have tremendous influence over how and where infrastructure is built and serve as a critical and necessary partner in the transportation electrification market transformation. Great Plains Institute, which facilitates Drive Electric Minnesota, has identified **five principles** for what constitutes an electric vehicle (EV) ready city:

1. **Policy:** Acknowledge EV benefits and support development of charging infrastructure
2. **Regulation:** Implement development standards and regulations that enable EV use
3. **Administration:** Create transparent and predictable EV permitting processes
4. **Programs:** Develop public programs to overcome market barriers
5. **Leadership:** Demonstrate EV viability in public fleets and facilities

For more information about these EV principles, click here. By focusing on these principles, a city can prepare itself in all capacities to be ready for electric vehicles.

The Great Plains Institute compiled a list of resources below to guide local governments on their quest to becoming EV ready. Some resources serve as examples based on what other cities have done while other resources are more comprehensive in nature and can be used as a guide. If you have any questions on how to utilize these resources, please do not hesitate to email Katelyn Bocklund, program director for Transportation and Fuels.

Policy Resources – ST. LOUIS PARK, MN'S COMPREHENSIVE PLAN Comprehensive plans are a great way to encourage EV adoption in communities because they set long-term goals to work toward. The City of St. Louis Park's comprehensive plan incorporates several EV initiatives, including a kick-start project to install EV charging infrastructure in public parking lots (p. 15) and actions toward increasing EV adoption to meet the city's goal to reduce vehicle emissions by 25 percent by 2030 (p. 29). Download the St. Louis Park Comprehensive Plan→

Regulation Resources SUMMARY OF BEST PRACTICES FOR ELECTRIC VEHICLE ORDINANCES Local governments can make a big impact in electrifying transportation through zoning ordinances. This summary guide is designed as a reference for local governments looking to develop EV zoning standards or development regulations. The examples are not intended to constitute recommendations, but rather to show the breadth of choices made by communities across the United States to integrate electric vehicle supply equipment into development regulation. Download Summary of Best Practices & CITY OF GOLDEN VALLEY, MN'S PLANNED UNIT DEVELOPMENT ORDINANCE

Drive Electric Minnesota www.driveelectricmn.org

PlugIn Connect www.pluginconnect.com Jukka Kukonen 651-428-3155 jukka@pluginconnect.com

Electric Vehicle Ride Sharing Service – Hour Car and Xcel Energy <http://www.startribune.com/hourcar-and-xcel-look-at-electric-vehicle-ride-sharing-service/478578143/>

MPCA - Clean Cars Minnesota Rulemaking an opportunity to make real progress in reducing greenhouse gas emissions from transportation. <https://www.pca.state.mn.us/air/clean-cars-mn>

MPCA - Volkswagen settlement grants for EV Infrastructure (have been made) <https://www.pca.state.mn.us/air/volkswagen-settlement>

Shared and Advanced Mobility

Action 5. Create a joint powers agreement between cities to regulate privately funded shared mobility
– Ride share, Bikes, Scooters

Purpose: Get more negotiating power together

Cities working on it – Twin Cities Shared Mobility Coalition, Minneapolis, St. Paul, Edina, SLP

Resources

Twin Cities Shared Mobility Coalition <https://www.tcsharedmobility.org/> **Move MN** www.movemn.org

- **Bill Dossett**, (612) 747-4659 bdossett@niceridemn.org billdossett87@gmail.com
- **Twin Cities Shared Mobility Action Plan 2017** https://sharedusemobilitycenter.org/wp-content/uploads/2017/10/SUMC_TWINCITIES_Web_Final.pdf

Shared-Use Mobility Center www.sharedusemobilitycenter.org

- **Twin Cities Leaders Release Shared Mobility Action Plan to Increase Transportation Options & Take 50,000 Cars off the Road in 10 Years** <http://sharedusemobilitycenter.org/news/twin-cities-leaders-release-shared-mobility-action-plan-to-increase-transportation-options-take-50000-cars-off-the-road-in-10-years/>
- **PDF - Twin Cities Shared Mobility Action Plan** http://sharedusemobilitycenter.org/wp-content/uploads/2017/10/SUMC_TWINCITIES_Web_Final.pdf
- **Twin Cities Shared mobility action plan** and possible pilot projects for increasing accessible transportation (Uber and Lyft) www.startribune.com/a-public-uber-service-in-southwest-metro-officials-say-it-works/410688675

Preparing for Autonomous Vehicles

- **Governor's Advisory Council on Connected and Automated Vehicles** <http://www.dot.state.mn.us/automated/advisory.html>
- **LMC Position on pre-emption bill** (Uber & Lyft) www.lmc.org/page/1/TNCregulationUpdate.jsp?ssl=true
- **Minnesota Design Center (MDC) Tom Fisher** - The uses design thinking to addresses systemic issues in the Twin Cities region www.designcenter.umn.edu
 - **Planning for Autonomous Electric Vehicles**_implications for comprehensive plans <http://allianceforsustainability.com/wp-content/uploads/2016/09/SAVehicle-brochure-June-2017.docx>
- **U of MN HHH Planning for self-driving vehicles**
 - 4 min video <https://civios.umn.edu/video/self-driving-vehicles/>
 - Frank Douma, U of MN Humphry School 612-626-9946 douma002@umn.edu

Low Carbon Transportation Studies

MN DOT Pathways to Decarbonizing Transportation report <http://www.dot.state.mn.us/sustainability/>

UMN CTS Reducing Greenhouse Gas Emissions from Transportation Sources in Minnesota June 2008 <http://www.cts.umn.edu/Publications/ResearchReports/reportdetail.html?id=1626>

UC Davis - Three Revolutions - Shared, Automated, Electric <https://3rev.ucdavis.edu/>

High-Impact Land Use and Transportation Policy Options for Low-Carbon Cities

<https://greenstep.pca.state.mn.us/page/ordinances>

Please send your suggestions and additions to

Phil Muessig, MPCA, MN Greenstep Cities Coordinator, 651-757-2594, Philipp.muessig@state.mn.us

Land Use Policy Options

- ❖ For one or more zoning districts
 - [Increase urban residential density](#) with accessory dwelling units, single-resident occupancy units, smaller lots, multi-family buildings by-right, senior housing, co-housing, low square-footage houses / apartments {7.2}
 - [Increase urban commercial density](#) by adopting floor-area ratio minimums/bonuses, zero lot-line setbacks {7.3}
 - [Adopt mixed-use zoning](#)/require mixed-use PUDs and/or a form-based zoning code/overlay district {8.0}
 - [Stage city-edge development](#) with an adequate public facilities (concurrency) ordinance {10.2}
 - [Zone for rural residential](#) clusters; adopt density bonuses, authorize transfer/purchase of development rights {10.4}

Transportation Policy Options

- ❖ For living streets
 - [Adopt a complete streets policy](#) that includes street design standards & maximizes urban tree canopy {11.1}
 - [Expand transit](#) / transit hub coverage and use over time to meet increasing mode-shift targets {12.6}
 - [Improve bike/walk](#) infrastructure over time, by means such as lane reconfigurations (road diets), to meet increasing mode-shift targets {12.1} and {11.6}
- ❖ For downtown, commercial nodes, corridors
 - [Reduce or eliminate parking minimums](#) and/or add parking maximums {14.1}
 - [Price curb & structured parking](#) to aim for a 15% vacancy rate in parking spaces on each block, and favor electric vehicles and for pay-per use vs. monthly contracts in lots, ramps {14.1}
 - [Allocate boulevard & curb space](#) for bike parking and vehicle passenger pick-up/drop-off as part of planning for shared mobility services (bus, taxi, Uber, Lyft) and (shared) autonomous vehicles {6.0}
 - [Adopt a travel demand management / transit-oriented development](#) ordinance {14.4}
 - [Require electric vehicle charging](#) capacity (at least conduit) in new commercial/single, multi-family developments and require the installation of charging stations to mirror the regional electric vehicle adoption rate {3.4}
 - [Prioritize fiber](#) telecommunications infrastructure {12.5}

Options selected from a review of:

- *Best Practice Actions and City Action Reports* (MN GreenStep Cities program: 2019) at <https://greenstep.pca.state.mn.us>
- *Climate Solutions and Economic Opportunities* (MN Environmental Quality Board: 2017) at <https://www.eqb.state.mn.us/content/climate-change>
- *High Impact Practices* (Urban Sustainability Directors Network: 2019) at <https://www.usdn.org/public/page/6/Projects>
- *Drawdown Solutions* (Project Drawdown: 2017) at <https://www.drawdown.org/solutions-summary-by-rank>

Transportation Resources Jan 22, 2020 West Metro Cities Climate Action Conversation www.afors.org/resilientcities Page