

Metro Wide Topic Resource Guide for Environmental Commissions, April 7 2018,

- Based on the The GreenStep Cities 29 best practices <https://greenstep.pca.state.mn.us/bestPractices.cfm>
- With resource organizations added by Sean Gosiewski, Alliance for Sustainability 612 250-0389 sean@afors.org
- www.allianceforsustainability.com/resilientcommunities/

Energy (conservation, renewables, etc.)

GSC Best Practices: # 1. Efficient Existing Public Buildings, #2. Efficient Existing Private Buildings, #3. New Green Buildings, #6. Comprehensive, Climate and Energy Plans, #.26 Renewable Energy,

GSC Advisors (see each best practice)

- Lissa Pawlisch, Statewide Coordinator, CERTS: 612/624-2293, pawl0048@umn.edu

Setting Goals

- Energy Planning Resources & sample goals www.regionalindicatorsmn.com/energy-planning
- MN state energy/ CO2 reduction goals, report card and action plan (CEO) www.eqb.state.mn.us

Resources organizations

- Metro CERTS www.CleanEnergyResourceTeams.org
- Great Plains Institute www.betterenergy.org
- Center for Energy and Environment www.mncee.org
- Home Energy Squad www.homeenergysquad.net
- Xcel/ Partners in Energy www.xcelenergy.com/working_with_us/municipalities/partners_in_energy
- Solar Possible: New joint purchasing effort for agencies, local governments & schools www.cleanenergyresourceteams.org/blog/solar-possible-new-joint-purchasing-effort-agencies-local-governments-schools
- MN Renewable Energy Society www.mnrenewables.org
- Midwest Renewable Energy Association www.midwestrenew.org
- Alliance for Sustainability www.allianceforsustainability.com
- Pale Blue Dot www.BLUEdotregister.org
- Conservation MN www.conservationminnesota.org
- Fresh Energy www.fresh-energy.org

Solid Waste (recycling, organics, organized collection, etc.)

GSC Best Practice # 22. Solid Waste Prevention and Reduction: Increase waste prevention, reuse and recycling, moving to a more cyclical, biological approach to materials management.

GSC Advisor:

- Tim Farnan, Waste Prevention Specialist, MPCA 651/757-2348, timothy.farnan@state.mn.us

Setting Goals – Metro Counties - 2030 recycling goals - 75% (60% recycling and 15% organics) Each county will develop and implement or require political subdivisions within the county to develop and implement programs, practices, or methods designed to meet its recycling goal

www.pca.state.mn.us/waste/metropolitan-solid-waste-management-policy-plan

Resources organizations

- Rethink Recycling SWMCB, County and City Recycling Staff www.rethinkrecycling.com/swmcb
- Master Recyclers and Composters (specific to each county) www.hennepin.us/residents/recycling -
- Eureka Recycling - Minneapolis based zero-waste organization focusing on reuse, recycling, composting, waste reduction, and producer responsibility www.eurekarecycling.org
- ReUSE MN: Minnesota's Upcycling, Rental & Repair Hub www.reusemn.org/
- MN Composting Council www.mncompostingcouncil.org

Water Quality and Water Conservation

GSC Best Practices - # 17. Storm water Management: # 19. Surface Water: # 20. Efficient Water and Wastewater Systems, # 21. Septic Systems:

GSC Advisors

- Anne Gelbmann, Green Stormwater Infrastructure, MPCA /757-2384, anne.gelbmann@state.mn.us
- Trevor Russell, Friends of the Mississippi River: 651/222-2193, info@

Setting Goals

- **BWSR** - Metro Area Surface Water Management - cities and watersheds are currently updating their 10 year plans www.bwsr.state.mn.us/planning/metro/index.html
- **MPCA** – Municipal Separate Storm Sewer Permit (MS4) - Permittees with assigned Waste Load Allocations (WLA) as part of a Total Maximum Daily Load (TMDL) project must address additional information in their SWPP Plan. www.pca.state.mn.us/water/municipal-stormwater-ms4

Resources organizations

- Watershed Districts www.pca.state.mn.us/water/twin-cities-metropolitan-area-tcma-watersheds
- Metro Watershed Partners Directory www.hamline.edu/education/cgee/wsp-directory.html
- Metro Watershed Partners - Clean Water MN The Minnesota Water - Let's Keep it Clean! media campaign places run-off pollution prevention messages in the mass media and maintains the www.cleanwatermn.org website with clean water tips and resources for storm water educators, teachers, students and residents. Adopt A Drain – metro pilot project www.adopt-a-drain.org
- Master Water Stewards www.masterwaterstewards.org
- Fresh Water Society www.freshwater.org
- Friends of the Mississippi/ Blue Star Cities www.fmr.org , www.bluestarmn.org
- Metro Blooms/ Blue Thumb www.metroblooms.org

Ecological Land Stewardship

GSC Best Practices - # 10. Design for Natural Resource Conservation, # 16. Urban Forests & Soils: # 18. Parks and Trails: Increase active lifestyles # 27. Local Food

GSC Advisors –

- Vanessa Perry, Land Protection, Minnesota Land Trust: 651/917-6296, vperry@mnland.org,
- Jenna Fletcher, Program Director, Trust for Public Land: 651-999-5306, Jenna.Fletcher@tpl.org,

Setting Goals –

- Natural resource checklists for local governments www.dnr.state.mn.us/nrplanning/community/nrchecklists.html
- Metro Conservation Corridors www.dnr.state.mn.us/metroconservationcorridors/index.html
- MN Agricultural Land Preservation Program www.mda.state.mn.us/protecting/farmlandprotection/aglandpres.aspx
- Invasive Species (aquatic and terrestrial) www.dnr.state.mn.us/invasives/index.html
- MN EQB - Pollinators www.eqb.state.mn.us/content/pollinators

Resources organizations

- Minnesota Master Naturalist www.minnesotamasternaturalist.org
- Master Gardeners www.extension.umn.edu/garden/master-gardener
- MN Conservation Corps www.conservationcorps.org
- Great River Greening www.greatrivergreening.org
- Conservation Minnesota www.conservationminnesota.org
- Trust for Public Land www.tpl.org/our-work/minnesota
- MN Audubon Conserving and Restoring Natural Ecosystems. www.mn.audubon.org
- MN Izaak Walton League & chapters www.minnesotaiakes.org
- Wild Ones www.wildones.org/connect/chapters/minnesota-chapters/

Biking, Walking and Active Living

GSC Best Practices - # 11. Living Streets, # 18. Parks and Trails: Increase active lifestyles

GSC Advisors

- David Larson, Environmental Stewardship, MN TOD 651/366-4637, david.larson@state.mn.us,
- Jenna Fletcher, Program Director, Trust for Public Land: 651-999-5306, Jenna.Fletcher@tpl.org,

Setting Goals –

- Example Bike Plans www.activelivingbydesign.org
- County Bike Plans & Metro Regional Bike Plan www.giswebsite.metc.state.mn.us/mcviewer/?cfg=rbtn
- Bike-Friendly Resource Guide (4 Es) www.bikemn.org/collaboration/bicycle-friendly-community-resource-guide
- Minnesota Toward Zero Deaths www.minnesotatzd.org

Resources organizations

- Dorian Grilley Bike Alliance of MN 651-387-2445 dorian@bikemn.org www.bikemn.org
- Our Streets Mpls www.ourstreetsmpls.org Open Streets www.openstreetsmpls.org
- Open Streets www.centerforpreventionmn.com/what-we-do/our-current-initiatives/open-streetsplay-streets
- MN DOT Complete Streets www.dot.state.mn.us/planning/completestreets/
- Local Active Living Plans www.health.state.mn.us/divs/hpcd/chp/cdrp/physicalactivity/activelivingplans.html
- Minnesota Safe Routes to School - www.dot.state.mn.us/saferoutes/

Transportation

GSC Best Practices - # 11. Living Streets, # 18. Parks and Trails, # 8. Mixed Uses, # 9. Efficient Highway- and Auto-Oriented Development, # 11. Living Streets, # 12. Mobility Options, # 13. Efficient City Fleets, # 14. Demand-Side Travel Planning,

GSC Advisors (see each topic)

- Jessica Treat, Transit for Livable Communities: 651-789-1405, JessicaT@tlcminnesota.org
- Amber Dallman, Bicycle/Pedestrian Section, MN DOT 651/366-4189, amber.dallman@state.mn.us

Setting Goals/ Planning

- Met Council <https://metrocouncil.org/Handbook/Plan-Elements/Transportation.aspx>
- Making your city EV ready – www.betterenergy.org/blog/making-your-city-ev-ready
- Twin Cities Shared-Use Mobility Action Plan www.sharedusemobilitycenter.org
- Governor's Advisory Committee on automated and connected vehicles <https://mn.gov/governor/newsroom/#/detail/appld/1/id/328500>
- Creating a Low-Carbon Transportation System for MSP: Part One, Baselineing <https://streets.mn/2014/12/12/creating-a-low-carbon-transportation-system-for-msp-part-one-baselineing/>
- Modeling Results: 80% Greenhouse Gas Emissions Reduction by 2050 www.minneapolismn.gov/sustainability/climate-action-goals/CyPT
- Transportation and Climate Adaptation <http://www.dot.state.mn.us/climate/index.html>

Resources organizations

- Transit for Livable Communities www.tlcminnesota.org
- Drive Electric Minnesota www.driveelectricmn.org
- EV owners - www.pluginconnect.com
- U of MN - Frank Douma (autonomous vehicles) 612-626-9946 douma002@umn.edu <https://civios.umn.edu>
- MN Design Center - Tom Fisher, (autonomous vehicles) 612-626-9068 tfisher@umn.edu www.designcenter.umn.edu
- Shared-Use Mobility Center www.sharedusemobilitycenter.org
- Drive Electric Minnesota www.driveelectricmn.org
- EV owners - www.pluginconnect.com
- MPCA/ VW settlement (EV infrastructure grants) www.pca.state.mn.us/air/volkswagen-settlement

Comprehensive Plans

GSC Best Practices - #6. Comprehensive, Climate & Energy Plans, 29. Climate Adaptation & Community Resilience:

GSC Advisors

- Suzanne Rhees, Conservation Projects, MN BWSR 651/296-0768, suzanne.rhees@state.mn.us
- Laura Millberg, Climate Resilience, MPCA 651/757-2568, Laura.Millberg@state.mn.us
- Eric Wojchik, Local Planning Assistance, Met Council 651 602-1330 Eric.Wojchik@metc.state.mn.us

Setting Goals/ Resource organizations

- Local Planning Handbook www.metrocouncil.org/Handbook/Plan-Elements/Resilience.aspx
- Great Plains Institute www.betterenergy.org
- LoGoPeP - Energy Planning Resources & sample goals www.regionalindicatorismn.com/energy-planning
- Alliance for Sustainability – Resilient Cities Coalition - example goals from metro cities (April 11 case studies posted at www.allianceforsustainability.com/resilientcities)

Community Engagement

GSC **Best Practices** # 24. Benchmarks and Community Engagement: Adopt outcome measures for GreenStep and other city sustainability efforts, and engage community members in ongoing education, dialogue, and campaigns. <https://greenstep.pca.state.mn.us/bestPractices.cfm>

GSC Advisors:

- Philipp Muessig, GreenStep Cities Coordinator, 651/757-2594, philipp.muessig@state.mn.us
- Sean Gosiewski, Exec. Dir., Alliance for Sustainability 612-250-0389 sean@afors.org

Resources organizations

- MPCA MN Green Corps www.pca.state.mn.us/waste/minnesota-greencorp
- Alliance for Sustainability (commissions, congregations, schools, citizen coalitions) www.allianceforsustainability.com
- Conservation MN www.conservationminnesota.org
- Metro CERTS www.CleanEnergyResourceTeams.org
- MN Interfaith Power and Light www.mnipl.org
- Climate Generation (youth & students)
- I Matter (youth & students) www.imatteryouth.org
- Sierra Club www.sierraclub.org/minnesota



Spring 2018 Planning for Resilient Cities

Workshop 11:30 am – 1:30 pm (with lunch) or

Webinar Noon – 1:00 pm (using Skype)

WEDNESDAY, APRIL 11, 2018

League of MN Cities

145 University Ave W, St Paul, MN 55103

www.allianceforsustainability.com/resilientcities

LEARN FROM AND EXPLORE WITH metro City and County planning staff who will share:

- Energy, resilience and equity-related goals and strategies from their draft 2040 Comprehensive Plans.
- Implementation strategies and partnerships to expand efficiency, renewables, EVs and resilience.
- How cities are working together to launch a **Resilient Cities Coalition** to advance their work through
 - **PUBLIC POLICY:** Cities working together to advance state policy innovation
 - **PROJECTS:** Cities collaborating to help high-impact projects go to scale metro wide
 - **PEER LEARNING:** Education on current and future energy/resilience topics

WHO SHOULD ATTEND? City staff, elected leaders, commission & community volunteers

Please RSVP at www.allianceforsustainability.com/resilientcities

LoGoPEP Energy Planning Resources

www.regionalindicatorismn.com/energy-planning

- **Brian Ross**, Great Plains Institute, 612- 501-1531 bross@gpisd.net www.betterenergy.org
- **Abby Finis** Great Plains Institute, 612 767-7295 afinis@gpisd.net

Energy Planning Guide: [Energy Planning Workbook](#): [Solar Calculator](#): [Sample RFP](#): [Wedge Tool](#)

[Example Local Government Energy Goals](#)

Energy Planning Guide: Selecting Strategy Priorities – a framework for understanding and prioritizing local energy strategies:		
Tool Category	Tool Description	Energy Strategy Examples
Encouragement	Public engagement and educational efforts to encourage private sector residents and businesses to take action consistent with the desired goals.	<ul style="list-style-type: none"> • Co-promotion of utility efficiency or renewable energy incentives • Creation and dissemination of energy efficiency educational materials • Engage community in energy goal setting exercise, such as Partners in Energy
Incentives	Financial or regulatory inducements to encourage private sector actions consistent with the desired goals.	<ul style="list-style-type: none"> • Enabling PACE financing • Regulatory incentives within zoning • Expedited permitting • Technical assistance for private sector developments to incorporate net-zero or solar-ready designs
Regulation	Zoning, ordinances, licensing, permitting standards that are designed to require actions consistent with the desired goals.	<ul style="list-style-type: none"> • Requiring energy efficiency or renewable energy within PUD ordinances • Energy benchmarking ordinance • Removing zoning barriers to renewable energy • Adopting an energy stretch code (SB 2030)
Public Demonstration, Leadership	Public investment in and demonstration projects using local energy resources	<ul style="list-style-type: none"> • Participation in GESP • Installing solar on public buildings • Adopting net-zero energy standards for public facilities • Sponsoring a community solar garden for community residents and businesses