

ENERGY			TRANSPORTATION AND LAND USE		
First Steps	Involve diverse groups, factor in their needs	Solar data, resources & opportunities	Trends and integrated modes of transportation	Consider needs of all people; diverse populations	Land Use
<ul style="list-style-type: none"> <li>◆ Look at energy use first, then renewables</li> <li>◆ Best to save energy \$\$ from energy not used</li> <li>◆ Get profiles of areas in city by sector – residential, commercial</li> <li>◆ Need good benchmarking for energy use</li> <li>◆ How to find inefficient buildings?</li> </ul>	<ul style="list-style-type: none"> <li>◆ Need more diverse groups working on sustainability and resilience</li> <li>◆ Economic Disparity in the Metro</li> <li>◆ More diverse populations in the metro – must factor their specific needs in energy</li> </ul>	<ul style="list-style-type: none"> <li>◆ Resources on the web available to determine specific benefits of solar</li> <li>◆ Big box buildings / office parks – big solar opportunity</li> <li>◆ Mpls / Duluth have solar maps on-line</li> <li>◆ Solsmart – National Energy Labs will provide 100 hours of technical assistance</li> <li>◆ GIS solar data available – look at rooftops</li> <li>◆ Disclosure policy in Hennepin County – commercial bldg. owners must report energy use, other data</li> <li>◆ Met Council is working on Metro Solar map for all 188 cities</li> <li>◆ Need to also look at permitting and adjacent properties – US Bank Stadium put some solar panels in the shade</li> </ul>	<ul style="list-style-type: none"> <li>◆ Demographic and technological trends require changes to cities approach to transit</li> <li>◆ We need better integration of public transportation and walk able communities</li> <li>◆ We need to think of city as an ecology, not a set of separate systems</li> <li>◆ We need thoughtful placement of sidewalks</li> <li>◆ Get ready for the infrastructure, environmental and economic impact of shared autonomous vehicles which will begin before 2028</li> <li>◆ Be prepared for very different commuting patterns as telecommuting continues to grow</li> </ul>	<ul style="list-style-type: none"> <li>◆ Design land use and transportation system from a point of view of users / owners – to ensure the best experience possible</li> <li>◆ Plan / Build streets and development that truly works for everyone</li> <li>◆ Zoning Guidance should place people at transportation core with access to amenities</li> <li>◆ More diverse populations in the metro – must factor their specific needs in transportation</li> <li>◆ Get internal champions – to use / move ideas forward</li> </ul>	<ul style="list-style-type: none"> <li>◆ Land use will change as transportation is becoming bus / bike / light rail</li> <li>◆ Begin to think now about the land currently used for surface parking that shared autonomous vehicles will make available</li> <li>◆ Create 3<sup>rd</sup> places for home workers</li> </ul>

This data was generated on 10-25-16 at the Alliance for Sustainability Event held at the Wilder Foundation, to empower MN Metro Cities to include Climate Change in their Comprehensive Planning. 140 city staff and volunteer citizens from 40 Metro Cities generated this data during table conversations. Pro-bono facilitation of conversations offered by ICA-USA ToP Facilitators: Rachel Hefte, CTF; Cheryl Kartes, CTF; Kathy McGrane, CTF; and Ross Hammond, CPE and ToP Facilitator.

HEALTH & EQUITY				ADAPTATION	
Planning Ideas	Food	Diversity	Education & outreach to vulnerable populations	Communication and Participation	Benefits to Cities
<ul style="list-style-type: none"> <li>◆ Move towards a vision of shared prosperity and climate resiliency</li> <li>◆ Dakota county comprehensive planning handouts are a model for others to use</li> <li>◆ Need user friendly tools to help planners integrate equity (e.g. Dakota County)</li> <li>◆ Need to look beyond own geographic area</li> <li>◆ Re-envisioning what a resource is</li> <li>◆ Find statistical data and ask residents if it is accurate for them</li> <li>◆ Expansion of infrastructure conversion</li> <li>◆ Overlapping issues</li> </ul>	<ul style="list-style-type: none"> <li>◆ Food access cuts across disciplines (so is health more broadly)</li> <li>◆ Climate change impacts growing food</li> <li>◆ Invest in teaching cooking skills</li> <li>◆ Our climate changes require more resilient community based food systems</li> </ul>	<ul style="list-style-type: none"> <li>◆ Challenge – how to engage diverse communities</li> <li>◆ Have diverse leadership</li> <li>◆ We are not doing city planning – community engagement well</li> <li>◆ Need to overcome barriers to participation – for diversity</li> <li>◆ Engage a diversity of participants</li> <li>◆ Structural racism</li> <li>◆ Engage people of color – on health, environment and sustainability via environmental justice</li> </ul>	<ul style="list-style-type: none"> <li>◆ Improve educational outreach around climate change</li> <li>◆ In a climate change emergency – those with chronic health needs are really vulnerable</li> <li>◆ Growing aging population needs urgent attention</li> <li>◆ Work against the status quo to create change</li> </ul>	<ul style="list-style-type: none"> <li>◆ Communication is key</li> <li>◆ Materials and opportunities in multiple languages</li> <li>◆ Multiple channels of participation</li> <li>◆ Get internal champions – to use / move ideas forward</li> <li>◆ Have communities define the problem before they define solutions</li> </ul>	<ul style="list-style-type: none"> <li>◆ Opportunity to re-brand a city</li> <li>◆ Integrate city offices and plans</li> <li>◆ Buy in now for action later</li> <li>◆ Bring a multi-tool (to be prepared for anything)</li> </ul>

This data was generated on 10-25-16 at the Alliance for Sustainability Event held at the Wilder Foundation, to empower MN Metro Cities to include Climate Change in their Comprehensive Planning. 140 city staff and volunteer citizens from 40 Metro Cities generated this data. Pro-bono facilitation of conversations offered by ICA-USA ToP Facilitators: Rachel Hefte, CTF; Cheryl Kartes, CTF; Kathy McGrane, CTF; and Ross Hammond, CPE and ToP Facilitator.

## What can we do to build support & catalyze actions to address climate change, equity, and health solutions in our Comprehensive City Plans?

EDUCATE AND PLAN FUN EVENTS	LEAD BY EXAMPLE	ENGAGE COMMUNITY (USER INPUT)	ENSURE INCLUSION AND BUILD CAPACITY	FUND COMPREHENSIVE PLANS AND INTEGRATE THE ISSUES
<ul style="list-style-type: none"> <li>◆ Public Education</li> <li>◆ Educate people on why this is important and the impact!</li> <li>◆ Use Dakota County Comp Planning Handout as a Template</li> <li>◆ Education</li> <li>◆ Build the Case for needed investments</li> <li>◆ Plan Fun Events</li> <li>◆ Ignite similar (like) events on Comp Plan Elements</li> <li>◆ Run “pocket” neighborhood events</li> </ul>	<ul style="list-style-type: none"> <li>◆ Cities and Counties must lead by example with municipal services</li> <li>◆ City officials and staff must lead on walking, transportation bike racks, and transit</li> <li>◆ Work with residents</li> <li>◆ Employee benefits for being an example</li> <li>◆ Explore solutions and design – based on lived experience</li> <li>◆ Need to corridor future innovations w/ autonomous vehicles</li> </ul>	<ul style="list-style-type: none"> <li>◆ Ask the communities</li> <li>◆ Collaboration</li> <li>◆ Go to the residents for their input</li> <li>◆ Promote ground-up participation in the process – with strong shared awareness / understanding</li> <li>◆ Make comprehensive plans on-going participatory processes that citizens continually contribute to rather than a top-down document done by staff and consultants</li> <li>◆ Don’t assume what community wants – ASK THEM</li> <li>◆ Create multiple engagement avenues i.e. Texting, surveys, bus surveys, etc.</li> </ul>	<ul style="list-style-type: none"> <li>◆ Go to vulnerable communities – don’t expect them to come to regular engagement events</li> <li>◆ Make sure that we are reaching out to communities of color</li> <li>◆ Establish community committees in each city that include all sectors – all people in these sectors – to learn discuss share their ideas</li> <li>◆ Build Capacity</li> <li>◆ Solutions based on shared values</li> <li>◆ Use multiple approaches</li> </ul>	<ul style="list-style-type: none"> <li>◆ Get good data – know where you are now</li> <li>◆ Commit and Finish Plans</li> <li>◆ Write shorter plans and reports (so that people will read them)</li> <li>◆ Start Actions right away</li> <li>◆ Proto-typing and learning as you go – rather than wait for big allocations</li> <li>◆ Act to plan – not just plan to act</li> <li>◆ Evaluate projects against Comprehensive Plan Goals</li> <li>◆ Use tests or demonstration projects</li> <li>◆ Plan how to use the plan (nothing that sits on the shelf!)</li> <li>◆ Cities formally support additional state funding for transit/ bicycle/ walking</li> <li>◆ Need walkable areas that connect</li> <li>◆ These issues are interdependent – we need to understand the dependencies</li> <li>◆ See everything in a comprehensive plan with a Health Lens – Human, Economic and Social Health</li> </ul>

This data was generated on 10-25-16 at the Alliance for Sustainability Event held at the Wilder Foundation, to empower MN Metro Cities to include Climate Change in their Comprehensive Planning. 140 city staff and volunteer citizens from 40 Metro Cities generated this data during table conversations. Pro-bono facilitation of conversations offered by ICA-USA ToP Facilitators: Rachel Hefte, CTF; Cheryl Kartes, CTF; Kathy McGrane, CTF; and Ross Hammond, CPE and ToP Facilitator.