

Buildings & Energy Strategies

- Goals:**
1. Achieve 15 percent energy efficiency in residential buildings from the growth baseline by 2025.
 2. Achieve 20 percent energy efficiency in commercial buildings from the growth baseline by 2025.
 3. Increase electricity from renewables from 1.5 to 5 percent of the total consumed by 2025.

Strategy Cross Cutting (CC) Residential Buildings (R) Commercial Buildings (C) Industrial Buildings (I) Renewable Energy (RE)	Emissions Reduction Potential (High, Medium, Low)	Cost (High, Medium, Low)	Timeframe (0-2 Years, 3-5 Years, 5+ years)	Political/Social Feasibility (High, Medium, Low)	Disparate Impacts (by geography, income, etc.) (High, Medium, Low)	Co-Benefits (e.g. job creation, public health, better mobility, etc.)
CC1. Launch a City initiative to make Minneapolis the most energy-efficient city in America	H	L	0-2	H/M	M	M
CC2. Ensure that City facilities are models of energy-efficiency and renewable energy technology	H	M/L	0-2	H	L	M
CC3. Support the State’s adoption of the latest International Energy Conservation Code (IECC) and International Green Construction Code (IGCC) and adopt the IGCC locally	M	M/L	0-2	M	M	M
CC4. Incentivize energy efficiency in private buildings during every interaction with the City	M	M/L	0-2	H/M	L	M
CC5. Require City-financed projects to meet an energy efficiency standard, like Sustainable Buildings 2030	M/L	L	3-5	M	L	M
CC6. Explore opportunities to restructure the mechanical permit fee schedule and other fee schedules to incentivize energy efficient products and renewable energy	M	L	0-2	M	M/L	M
CC7. Determine the feasibility of establishing conservation-based pricing or structuring of franchise fees and using the franchise agreement to support renewables	M	L	3-5	M	M	M
CC8. Evaluate and expand incentives granted for high energy performance	M	L	0-2	H/M	M/L	M
CC9. Develop tools to finance energy efficiency and renewable energy retrofits for commercial and residential buildings that have low barriers to entry and limited risk for local government	H	H/M	3-5	M	M	H/M
CC10. Support the implementation of the University of Minnesota’s Climate Action Plan and encourage other government entities to take action	H/M	M/L	5+	H	L	M

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CC11. Monitor new technologies and regularly reassess strategies. Encourage implementation when feasible	M/L	M	5+	H	L	M
CC12. Identify opportunities to increase conservation efforts within the downtown district heating and cooling system and make the system more efficient using technologies like combined heat and power	H	H/M	3-5	H/M	L	L
CC13. Identify opportunities to expand the use of district heating systems to new and existing buildings	H/M	M/L	0-2	M	L	L
R1. Help 75 percent of Minneapolis homeowners participate in whole-house efficiency retrofit programs by 2025	M	H	5+	H	M	M
R2. Create time-of-sale and time-of-rent energy label disclosure	L	L	3-5	M	M	M/L
R3. Connect and collaborate with other residential energy efficiency efforts	L	M/L	0-2	H	L	M/L
C1. Continue to host an annual Energy Reduction Challenge (“Kilowatt Crackdown”) for Commercial Buildings in conjunction with BOMA and other partners	H/M	L	0-2	H	M	M
C2. Implement a Building Energy Disclosure policy for medium and large commercial buildings	M	L	0-2	M	L	M/L
C3. Explore implementation of a commercial asset rating program, such as DOE’s Commercial Building Energy Asset Rating	L	M	3-5	M	L	M
C4. Develop “green lease” model language that allows building owners and tenants to share the energy savings from building capital improvements	M	L	0-2	M	L	L
I1. Continue to support a loan program to help businesses including industrial companies to become more energy efficient and expand their businesses	H	M	0-2	H	L	H

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RE1. Continue to identify barriers to distributed renewable energy installation	M	L	3-5	H/M	M	M
RE2. Investigate the feasibility of large-scale renewable energy purchasing for the municipal government and/or residents	H	M	3-5	M/L	M	L

Transportation & Land Use Strategies

- Goals:**
1. **Reduce automobile vehicle miles** traveled in Minneapolis while improving accessibility, increasing transportation choices, and promoting and accommodating growth.
 2. **Support livable, walkable, and growing neighborhoods** that meet the needs of all Minneapolis residents.
 3. **Increase the share of Minneapolis residents and workers choosing non-auto modes** for commuting and other trips.
 4. Through local action and federal and state legislation, **support a transition to cleaner fuels and more efficient vehicles.**

Strategy PLU = Planning and Land Use TCS = Transit and Car Sharing AT = Active Transportation P = Parking Management TDM = Transportation Demand Management & Intelligent Transportation Systems CF = Clean Fuels O = Other	Emissions Reduction Potential (High, Medium, Low)	Cost (High, Medium, Low)	Timeframe (0-2 Years, 3-5 Years, 5+ years)	Political/Social Feasibility (High, Medium, Low)	Disparate Impacts (by geography, income, etc.) (High, Medium, Low)	Co-Benefits (e.g. job creation, public health, better mobility, etc.)
PLU1. Improve inter-departmental and inter-agency collaboration on transportation issues, and track progress	M/L	L	0-2	M	L	M/L
PLU2. Plan for and encourage “complete neighborhoods”	H	H	5+	M	L	H
PLU3. Focus growth in and along land use features designated in <i>The Minneapolis Plan for Sustainable Growth</i>	M	L	5+	M	M	H
PLU4. Review the zoning code to identify impediments and incentives to the construction and retrofit of green buildings	M	L	0-2	H/M	M	M
TCS1. Support the Metropolitan Council’s goal of doubling regional transit ridership by 2030	H	H	5+	M	L	H
TCS2. Support the build-out and upgrade of regional and local transit lines	H/M	H	5+	M	M	H
TCS3. Advocate for an increase to the dedicated funding stream for transit construction and operations at the state level and regional level	M	M	0-2	M	L	M/L
TCS4. Work with Metro Transit and property owners to improve capacity and use of transit during special events	M/L	M/L	0-2	H	L	L

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TCS5. Complete the downtown east-west transit spine improvements	M/L	M/L	3-5	H/M	M	M
TCS6. Expand car-sharing services to on-street spaces.	L	L	0-2	H	L	M
TCS7. Make car-sharing convenient and affordable by reducing sales tax on car-sharing products to the minimum rate	L	L	0-2	H	M	L
AT1. Achieve the City’s adopted targets for bicycle mode share and bicycle counts and adopt a stretch goal of 15 percent for 2025	H	M	5+	M	L	H
AT2. Construct 30 miles of on-street, protected bike facilities (cycle tracks) by 2020 to allow safe and efficient travel for all types of cyclists	M	M	5+	M	L	H
AT3. Revisit minimum bicycle parking requirements to support the City’s bicycle mode share targets	M	L	0-2	H	L	H/M
AT4. Support implementation of the Pedestrian Master Plan and Bicycle Master Plan	H/M	M	5+	H/M	L	H
AT5. Allow special service districts to levy a surcharge on parking meters to fund streetscape improvements	L	L	0-2	M	M/L	M
AT6. Continue "Safe Routes to School" efforts	L	L	0-2	H	L	M
AT7. Adopt a Complete Streets policy	L	L	0-2	H	L	L/M
P1. Investigate demand-based parking pricing strategies for metered areas	M	M/L	0-2	M	L	L

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P2. Continue to adjust minimum parking requirements to better promote alternative modes of transportation	M	L	3-5	M	L	M
P3. Support the development of new information technology to reduce “cruising” for parking and make more efficient use of curb and ramp space	M	M	3-5	H/M	M/L	M/L
P4. Support the development of a citywide framework for curb space use	L	L	0-2	M	L	H/M
P5. Require or incent parking "unbundling"	M/L	L	5+	M	L	M
TDM1. Support the Downtown Transportation Management Organization’s goal to reduce 4.8 million drive alone trips by 2015	H	L	3-5	M	L	M
TDM2. Explore changes to signal timing to reduce idling, improve traffic flow, and accommodate non-auto modes	H/M	H/M	0-2	H	L	H/M
TDM3. Support the expansion of congestion pricing, dynamic signage, and other traffic management techniques on regional highways	M/L	H	5+	M/L	M/L	M/L
TDM4. Encourage large employers to embrace alternative work arrangements for employees	H	L	3-5	H/M	L	H
CF1. Explore regulatory incentives to increasing electric vehicle charging infrastructure	M/L	M/L	0-2	H	L	M/L
CF2. Provide electric vehicle charging stations at City-owned facilities where feasible	M/L	M	0-2	H	L	L
CF3. Increase the fuel efficiency of the city’s licensed taxi and car service fleet	M/L	M	3-5	M	M	M

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CF4. Support the proposed Federal fuel efficiency improvements	H	L	5+	H	L	M
CF5. Support increased fuel efficiency in public fleets	L	M/L	3-5	H	L	L
CF6. Support state efforts to adopt a low-carbon fuel standard	M	L	5+	M	L	M/L
CF7. Support the development of alternative jet fuels and ensure MSP is prepared for their increased use	H	H	5+	M/L	L	L
O1. Continue to shift to LED streetlights	H	H	3-5	H	L	L
O2. Support continuing efficiency efforts at the Minneapolis-St Paul International Airport	M/L	M	5+	M	L	M/L
O3. Assist the Metropolitan Airports Commission in making MSP the nation's "greenest" airport	H/M	H	5+	M	L	M
O4. Encourage the Metropolitan Airports Commission to expand its use of renewable energy resources	M/L	M/L	0-2	H/M	L	M
O5. Encourage the State of Minnesota to permit the testing of autonomous vehicles on public roadways.	M/L	L	3-5	M	M/L	M

Waste & Recycling Strategies

- Goals:**
1. Achieve a **zero percent growth rate** in the total waste stream from 2010 levels.
 2. **Recycle 50 percent of the waste stream** (commercial and residential) in Minneapolis by 2025.
 3. **Increase organics collection to 15 percent** of the waste stream by 2025.
 4. Support Metropolitan Council Environmental Service's goal to **reduce energy use by 25 percent below 2006 levels** by 2015.
 5. **Increase awareness of the lifecycle impacts** of products to address GHGs occurring outside the community.

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SR = Source Reduction (Reducing Waste) R = Recycling (Increase Recycling) O = Organics (Increasing Organics Collection) L = Lifecycle (Addressing Product Lifecycle Impacts) E = Energy Use/Wastewater (Reducing Wastewater Treatment Impacts)						
SR1. Identify consumer products and packaging that are neither recyclable nor compostable and engage companies, consumers and retailers in a campaign to reduce the disposal of such products and packaging through reuse efforts or switching to alternative materials	H/M	H/M	5+	M	L	M
SR2. Identify and promote reuse and repair businesses and opportunities which can reduce the disposal of used goods	M	L	0-2	M	L	H/M
SR3. Work with Hennepin County and other partner organizations to encourage businesses and residents to purchase reusable goods (Choose to Reuse campaign)	M	L	0-2	H/M	L	M/L
SR4. Expand Green Building programs (such as a requirement for city-financed projects) to promote a reduction in construction and demolition waste	M/L	M	0-2	H/M	L	M
SR5. Expand neighborhood and household organic composting through community initiatives and advocate for updated composting rules at a state level	M/L	M	0-2	H	M	H/M
SR6. Develop innovative marketing and behavioral strategies. For example, clearly label residential garbage carts "Trash for Incineration"	M	M	3-5	H/M	M/L	M
SR7. Undertake a public education campaign to inform residents about opt-out opportunities for material like phone books and junk mail	L	M/L	0-2	H	L	L
SR8. Work with Hennepin County, regional groups and the State of Minnesota to develop better data collection tools and sources, especially for commercial and multifamily waste data	L	M/L	3-5	M	L	M/L

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SR9. Require City-financed development projects to meet a green building standard that includes a waste reduction and/or recycling standard	M	L	0-2	H	L	M/L
R1. Support implementation of a single-sort recycling program for curbside pickup	H	H/M	0-2	H	L	M
R2. Continue to expand the types of materials accepted by the City's recycling program	M	M	0-2	H	L	M/L
R3. Complete a comprehensive assessment of pricing incentives and penalties for residential waste and recycling services and identify strategies that that could increase recycling and reduce waste	M	M	3-5	M	M	M
R4. Enforce the commercial recycling ordinance and undertake an educational campaign to expand recycling options in multi-family housing	H	M	3-5	M	M	M
R5. Identify financial and other barriers to recycling in multi-family buildings (different priorities between property management company and tenants, lack of knowledge of costs, etc.)	M	M	3-5	M	M	M
R6. Work with the County to increase the rate of recycling of construction and demolition debris in the city.	H	M	0-2	M	M/L	M
R7. Support state adoption of the new International Green Construction Code (IGCC) and adopt the IGCC locally (see Buildings & Energy Cross-Cutting Strategy 3)	M	M/L	0-2	M	M	M
O1. Identify major organic waste producers (food service, schools, hospitals, etc.) and conduct a targeted campaign to increase organics recycling	H/M	M	0-2	H	L	H/M
O2. Based on the results of pilot programs, consider expanding the residential organics collection program to more Minneapolis neighborhoods each year	H	H	3-5	H/M	M	M
O3. Support more options for the local processing of organic waste at both large and small scales	M	M	0-2	H/M	L	H

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O4. Make City worksites a model for organics composting by developing a collection program for City-owned and (where possible) City-leased buildings	L	M/L	0-2	H	L	M
L1. Work with Homegrown Minneapolis to incorporate more information on food choice impacts	L	L	0-2	H/M	L	H
L2. Develop educational materials that illustrate the emissions impacts of common products or behaviors, and include these materials in city utility bills	L	L	0-2	H/M	L	L
E1. Work with the Metropolitan Council to achieve their energy use goals and track associated impacts on GHG emissions from Minneapolis contribution to wastewater flows	H/M	M	0-2	M	L	L
E2. Achieve a 75% participation rate in the Community Energy Services program for eligible Minneapolis properties, which includes low-flow water fixture information and installations	H/M	L	5+	H	L	M
E3. Explore options for expanding the use of grey water systems in public and private buildings	M	M	0-2	M	L	M