

Prepared by: Great Plains Institute and LHB, Inc.

This table provides a list of the Minnesota cities that have committed to clean energy goals and/or policies and are engaged in energy planning and action. While every effort was made to be comprehensive, it is likely that some cities have been left out. Additionally, many other cities are currently in the process of goal-setting and/or energy action planning; those that do not yet have draft documents publicly available are not included in this list. To identify a missing city or correct unintended errors, please contact [RegionalIndicatorsMN@lhbcorp.com](mailto:RegionalIndicatorsMN@lhbcorp.com). This inventory is intended to represent a snapshot in time, and will not be maintained on an ongoing basis.

CITY	GOALS & POLICIES
<p><b>1 Bloomington</b></p>	<p>To promote the use of solar energy, Bloomington will:</p> <ul style="list-style-type: none"> <li>• Encouraging use of shadow cast studies to determine solar feasibility of development proposals;</li> <li>• Actively enforce existing setback and height limits that help preserve solar access;</li> <li>• Consider solar access impacts on adjacent properties when reviewing development proposals;</li> <li>• Base analysis of solar access on measures of need (heating/cooling degree days) or measures of availability (Langleys) rather than solstice conditions that occur only once per year;</li> <li>• Balance desires for solar access with sometimes competing City desires for increased density in areas near transit, services, amenities and employment; and</li> <li>• Install solar panels on City facilities where feasible</li> </ul> <p>Geothermal Energy: To promote sustainability and reduce reliance on fossil fuels, Bloomington will continue to explore opportunities to use geothermal heating and cooling systems within the City.</p> <p><i><a href="#">Bloomington 2040 Comprehensive Plan, Land Use Element Section (Draft - May 2018)</a></i></p>
<p><b>2 Burnsville</b></p>	<p>Renewable Energy: Burnsville will strive to increase the use of clean, alternative energy options into City facilities, research methods to reduce energy consumption and promote alternative energy options within the community.</p> <p>Energy Efficiency: Burnsville will strive to make energy efficiency a priority in infrastructure by developing educational programs for the public about energy efficient techniques and construction practices; investigate opportunities and ways to provide incentives to encourage private sector home and business energy improvements.</p>

	<p>Sustainable Building Practices: Burnsville will strive to practice and promote sustainable building practices by providing staff training for LEED certification and green construction to assist residents/builders and to promote green building techniques for both City-owned facilities and private development.</p> <p><a href="#">Burnsville 2040 Comprehensive Plan, Community Overview Section (Draft - March 2017)</a></p>
<b>3 Cologne</b>	<p>100% renewable electricity for city operations</p> <p><a href="#">Cologne City Council Meeting Minutes (June 1, 2015), summarized by CERTs Blog Post (June 16, 2015)</a></p>
<b>4 Coon Rapids</b>	<ul style="list-style-type: none"> <li>● Encourage the use of new energy resources and protect solar access for existing and new developments. Allow solar development on lands that are poorly suited for other types of development and promote increased solar energy production.</li> <li>● Ensure the zoning regulations regarding setbacks and height limitations generally allow for direct solar access on rooftops and south-facing walls.</li> <li>● Work with power companies to accommodate customer use of solar energy systems</li> <li>● Increased coordination with energy providers and partner agencies to implement energy efficient street and traffic signal lighting infrastructure where appropriate.</li> <li>● Accommodate energy conserving technologies and construction techniques, including active and passive solar energy features, by advocating their use in application for new residential development and by amending City Code or City policies as appropriate to allow residents to take advantage of new approaches.</li> <li>● Consider sustainability when making capital improvements and in operation and maintenance of park facilities, including energy efficient lighting and plumbing fixtures, rain gardens, recycling containers, and pollinator-friendly landscaping.</li> </ul> <p><a href="#">Coon Rapids 2040 Comprehensive Plan (Draft)</a></p>
<b>5 Duluth</b>	<p>By 2050, we plan to make an 80% reduction in greenhouse gas (GHG) emissions from municipal operations compared to an emissions analysis done in 2008.</p> <p><a href="#">Duluth Energy Plan (accessed October 3, 2018)</a></p> <ul style="list-style-type: none"> <li>● Increase community involvement in decisions about energy and infrastructure investments.</li> <li>● Provide incentives for developers to encourage green buildings and renewable energy use in new residential and commercial buildings.</li> <li>● Incentivize commercial, anchor institution, and large residential building/facility owners to reduce energy use and increase energy efficiency in existing buildings/facilities and community gathering spaces.</li> </ul>

- Incentivize households and landlords to reduce energy use and increase residential energy efficiency.
- Encourage community-wide investment in appropriate local renewable energy sources, including solar, wind, and biomass.
- Adopt energy efficiency and energy saving targets for City owned facilities and City operations.
- Increase efficiency of utilities and services.

[\*Duluth 2035 Comprehensive Plan, Energy and Conservation Section \(Draft - December 2017\)\*](#)

Reduce greenhouse gas emissions by 80% by 2050.

Reduce municipal emissions by 15% by 2019.

[\*Mayor Emily Larson's 2017 State of the City Address\*](#)

**6 Eden Prairie**

Reduce energy-related greenhouse gas emissions below the 2015 baseline 30 percent by 2025 and 80 percent by 2050.

- By 2025, 75 percent of Eden Prairie households will participate in a renewable energy or energy efficiency program.
- By 2025, 50 percent of the largest commercial/industrial energy users participate in Xcel Energy conservation programs over a standard three-year measuring period. This will result in an additional 7.5 incremental participants per year.
- By 2025, Eden Prairie public, nonprofit, and service organizations will reduce energy use 20 percent below a 2016 baseline.
- By 2025, the City of Eden Prairie will support renewable energy development equal to 25 percent of its energy use.
- By 2025, the Eden Prairie School District will reduce its energy use by an additional 10 percent.
- By 2025, all Eden Prairie public, nonprofit, and service organizations will support renewable energy development equal to 10 percent of their energy use.

[\*Eden Prairie Energy Action Plan \(Partners in Energy - September 2017\)\*](#)

**7 Edina**

Edina's residents, schools, businesses, and government will successfully reduce the community's greenhouse gas emissions by 30% by the year 2025, through strategies and actions that are sustainable, practical, and measurable.

Municipal Facilities Goals:

- Reduce the City's greenhouse gas emissions 30% by 2025 from a 2012 baseline.

	<ul style="list-style-type: none"> <li>• Within the next 18 months lower the City’s electricity greenhouse gas emissions by 7.5%</li> </ul> <p>Residential Information Campaign Goals:</p> <ul style="list-style-type: none"> <li>• 750 homes take energy savings actions each year.</li> <li>• Double the number of subscribers to Windsource® , and double the average subscription amount within 18 months.</li> </ul> <p>Business Energy Goals:</p> <ul style="list-style-type: none"> <li>• Reduce and/or off-set through renewable energy 2% of electricity usage annually.</li> </ul> <p><a href="#"><i>Edina Electricity Action Plan (Partners in Energy - July 2016)</i></a></p>
<b>8 Faribault</b>	<p>Reduce community-wide energy expenditure by 1% annually from business-as-usual (2015 baseline).</p> <p><a href="#"><i>Faribault Energy Action Plan (Partners in Energy - April 2017)</i></a></p>
<b>9 Grand Marais</b>	<p>Grand Marais City Council commits to working constructively, using ingenuity, innovation, and courageous determination to complete a Climate Action Plan for Grand Marais that significantly reduces Grand Marais’s greenhouse gas emissions to levels that would protect our community’s children and grandchildren from the risk of climate destruction.</p> <p><a href="#"><i>Grand Marais Climate Inheritance Resolution (February 22, 2017)</i></a></p>
<b>10 Hopkins</b>	<ul style="list-style-type: none"> <li>• Encourage sustainable practices in locating, designing, constructing and maintaining development in the City.</li> <li>• Increase the use of solar power and other renewable sources for city infrastructure, facilities and operation and encourage residents and businesses to make renewable energy improvements.</li> <li>• Support increased resilience in Hopkins by increasing the ability of a system to survive, adapt, and grow in the face of climate change and related incidents.</li> </ul> <p><a href="#"><i>Hopkins 2040 Comprehensive Plan, Natural Environment Section (Draft - September 2018)</i></a></p>
<b>11 Mahtomedi</b>	<p>Achieve a 30 percent reduction in energy-related greenhouse gas emissions by 2030 and a 100 percent reduction (carbon neutrality) by 2050 (from a 2016 baseline).</p> <p>1.4% average annual energy savings to reduce energy consumption 19 percent by 2030.</p> <p>Sector-specific goals:</p>

- Residential: Triple total participation in energy efficiency programs within one year, resulting in 1.6 percent annual energy use reduction and saving participating households an average of \$113 per year on their energy bills.
- Business/Institutional: Engage businesses and institutions in energy savings actions, resulting in a combined 11 percent reduction in energy use in targeted facilities below 2016 baseline by 2020.
- Renewables: Double the number of renewable energy subscribers in one year and double average subscription amount.

[\*Mahtomedi Energy Action Plan \(Partners in Energy - October 2017\)\*](#)

**12 Maplewood**

The City will follow the state energy goal guidelines of reducing greenhouse gas emissions to 20 percent of the City's 2015 baseline levels by 2050 (an 80 percent reduction).

The City will obtain a minimum of 50 percent of all electric energy from renewable sources by 2040. This includes having a minimum of 20 percent in on-site solar photovoltaic generation within the City, with the balance being met through Xcel Energy's 31.5 percent renewable portfolio requirement.

City facilities will be powered by 100% renewables by 2040.

[\*Maplewood 2040 Comprehensive Plan, Sustainability Chapter \(Draft - April 2018\)\*](#)

Educate and empower the community to participate in energy actions that will move Maplewood towards carbon neutrality.

Between May 2015 and December 2016:

- Save 400,000 kWh for local businesses and institutions.
- Save each participating business an average of \$1,750 per year.
- Enroll 4 new buildings in the Green Building Code Incentive Program for recommissioning studies, saving a total of 208,000 kWh and 12,000 therms.
- Motivate residents to participate in an additional 500 energy efficiency or renewable energy actions, leading to annual savings of 220,000 kWh and 33,250 therms. Increase renewable energy subscriptions by an additional 267,000 kWh.
- Save each participating resident an average of \$130 per year.

[\*Maplewood Energy Action Plan \(Partners in Energy - April 2015\)\*](#)

<b>13 Minneapolis</b>	<p>Climate change resilience: In 2040, Minneapolis will be resilient to the effects of climate change and diminishing natural resources, and will be on track to achieve an 80% reduction in greenhouse gas emissions by 2050.</p> <p><a href="#"><i>Minneapolis 2040 Comprehensive Plan (Draft - Fall 2018)</i></a></p> <p>100% renewable electricity for municipal facilities and operations by 2022 100% of community-wide electricity use from renewable sources by 2030</p> <p><a href="#"><i>Minneapolis 100% renewable electricity resolution (adopted April 27, 2018)</i></a></p> <p>Minneapolis will meet its adopted targets, reducing citywide greenhouse gas emissions 15% by 2015, 30% by 2025.</p> <p>By 2025, Minneapolis will reduce energy use by 17% and generate 10% of our electricity from local, renewable sources.</p> <p><a href="#"><i>Minneapolis Climate Action Plan (June 2013)</i></a></p>
<b>14 Oakdale</b>	<p>Consistent with State-wide goals, reduce community-wide greenhouse gas (GHG) emissions 30 percent by 2025, and 80 percent by 2050 from 2007 levels in order to mitigate the impacts of climate change on the community.</p> <p><a href="#"><i>Oakdale 2040 Comprehensive Plan (August 2018)</i></a></p> <p>GHG emissions reductions targets for each sector in our governmental operations profile for the next five years:</p> <ul style="list-style-type: none"> <li>● Buildings &amp; Facilities: 15% reduction from 2007 levels by 2013</li> <li>● Water Delivery Facilities: 10% reduction from 2007 levels by 2013</li> <li>● Signal Lights: 2% reduction from 2007 levels by 2013</li> <li>● Vehicle Fleet: 25% reduction by 2013</li> </ul> <p><a href="#"><i>Oakdale Sustainability Plan (2012)</i></a></p>
<b>15 Red Wing</b>	<p>By 2016:</p> <ul style="list-style-type: none"> <li>● An additional 10% of Red Wing households participate in an energy efficiency or renewable energy program</li> <li>● An additional 10% of Red Wing's small to mid-sized commercial businesses participate in an energy efficiency or renewable energy program</li> </ul> <p><a href="#"><i>Red Wing Energy Action Plan (Partners in Energy - January 2016)</i></a></p>

16	Rochester	<p>The City of Rochester supports the goals of the Minnesota Next Generation Energy Act of 2007 (NextGen) (Minn. Stat. 216B.169 Subd. 2a). The three primary NextGen goals include:</p> <ul style="list-style-type: none"> <li>● 1.5% annual retail energy savings</li> <li>● 25% renewable energy by 2025 (25X'25 Renewable Electricity Standard)</li> <li>● State-wide GHG emissions reductions of 15% by 2015, 30% by 2025, 80% by 2050.</li> </ul> <p><a href="#"><i>Rochester Comprehensive Plan 2040 (April 2018)</i></a>, <a href="#"><i>Rochester Energy Action Plan (April 2016, adopted July 6, 2017)</i></a></p> <p>Attain 100% renewable energy by 2031.</p> <p><a href="#"><i>Rochester Mayoral Proclamation (October 12, 2015)</i></a></p>
17	Rosemount	<p>Community-Wide Goal: Rosemount's overall energy goal, which addresses both electricity and natural gas use, is to reduce energy use by 5 percent by 2020, and 15 percent by 2030.</p> <p>Focus Area Goals:</p> <ul style="list-style-type: none"> <li>● Increase residential program participation 5% in year 1, and 10% in year 2 of implementation</li> <li>● Reduce City energy use 10% by 2020</li> <li>● Generate 75% of the City's energy with renewables</li> <li>● 85% of the top 20% of energy users participate in energy conservation by 2020</li> <li>● Reduce small- and medium-size business electricity use by 2% per year</li> <li>● 25 small- and medium-size businesses participate in natural gas conservation programs</li> </ul> <p><a href="#"><i>Rosemount Energy Action Plan (Partners in Energy - May 2018)</i></a></p>
18	Roseville	<p>Support Minnesota's Next Generation Energy Act goal of an 80% reduction in community-wide greenhouse gas (GHG) emissions, from 2005 levels by 2050, through leading by example in addition to education, incentives, and regulation to encourage action by residents and businesses.</p> <p>Strive to source 100 percent of the electricity used for City operations from renewable sources such as solar, wind, biomass, geothermal, and wind by 2040, with a minimum of 25 percent in on-site generation at City properties.</p> <p>Strive to produce enough solar electricity within City boundaries to meet 10 percent of citywide electricity use by 2030, which aligns with Minnesota's solar energy goal (M.S. 216B.1962).</p> <p><a href="#"><i>Roseville 2040 Comprehensive Plan, Resilience and Environmental Protection Chapter (Draft - May 2018)</i></a></p>

<b>19 St. Anthony Village</b>	Achieve a city-wide CO2 emissions reduction goal of 80 percent by 2040, over a 2005 baseline.
	Achieve a CO2 emissions reduction goal of 100 percent for city facilities for 2040, over a 2005 baseline.
	Support the production of alternative energy.
	<a href="#"><i>Saint Anthony Village 2040 Comprehensive Plan (Draft - May 2018)</i></a>
<b>20 St. Cloud</b>	<ul style="list-style-type: none"> <li>● Increase energy awareness for individuals regarding actions and behaviors that reduce energy use and benefit future generations.</li> <li>● Double utility conservation program participation for both residential and small to medium-sized businesses in year 1.</li> <li>● Save \$638,000 in energy costs community wide in year 1.</li> <li>● Maintain program participation at 70% above business as usual after year 1.</li> <li>● Help institutions and industrial businesses replace 21.8 million kWh of electricity by 2026 with renewable electricity via installation, purchase, or subscription.</li> </ul>
	<a href="#"><i>St. Cloud Energy Action Plan (Partners in Energy - March 2017)</i></a>
<b>21 St. Louis Park</b>	<p>Carbon neutrality by 2040</p> <ul style="list-style-type: none"> <li>● Reduce energy consumption in large commercial buildings 30% by 2030</li> <li>● Reduce energy consumption in small to mid-size commercial buildings 30% by 2030</li> <li>● Design and build all new construction to be net-zero energy (NZE) by 2030</li> <li>● Reduce energy consumption in residential buildings 35% by 2030</li> <li>● Achieve 100% renewable electricity by 2030</li> <li>● Reduce vehicle emissions by 25% by 2030</li> <li>● Reduce solid waste 50% by 2030 from Business as Usual</li> </ul>
	<a href="#"><i>St. Louis Park Climate Action Plan (February 2018)</i></a>
<b>22 Saint Paul</b>	<p>Energy Vision: By expanding energy efficiency, conservation, and energy recovery, as well as energy storage, renewable energy, and distributed energy, Saint Paul has achieved carbon neutrality in its built environment and fortified its resilience to climate change by the year 2050. Saint Paul has achieved this remarkable goal by intentionally and consistently engaging the public towards locally relevant solutions. All views — especially those of the traditionally underrepresented — have been heard and respected, and all residents, regardless of housing type or income, have benefited from the clean energy economy transition and are safeguarded from adversity.</p>



---

Near-term building sector priorities:

- Inspire a culture shift that transforms the community’s relationship to energy use, tripling the incremental annual savings from residential conservation and renewable energy adoption within 10 years.
- Within 10 years, lower the energy burden so that no Saint Paul household spends more than 4% of household income on energy costs.
- Within three years, win commitments of major institutions to achieve carbon neutrality by 2050 and ensure 80% of institutional buildings are actively benchmarked, and within 10 years, help institutions realize a 35% total GHG reduction, with energy efficiency as a leading strategy.
- Adopt multifamily and large commercial sector conservation and renewable energy initiatives that result in an additional 4% annual reduction in GHG emissions for those sectors.
- Achieve carbon neutrality in municipal building operations by 2030.

[Saint Paul Energy Action Plan \(Partners in Energy - June 2017, adopted June 27, 2018\)](#)

---

**23 Sartell**

Investigate Alternative Energy Production Methods:

- Make energy efficiency a priority through building code improvements, retrofitting City facilities with energy efficient lighting and urging employees to conserve energy and save money.
- Install LED’s when replacing city lighting.
- Adopt an environmentally preferable purchasing policy to only purchase Energy Star equipment and appliance for City use.
- Promote community and business energy conservation, including adopting ordinances and policies to provide incentives for energy efficiency, renewable energy, and reductions in greenhouse gasses.
- Adopt purchasing guidelines for the City of Sartell that include renewable energy sources.
- Promote the use of active and passive solar energy for heating, lighting, and other aspects of design, construction, remodeling and operation of City buildings.
- Leverage the Solar and Wind Access Law to establish policies that restrict development for protecting solar access to light.
- Create benchmarks of current energy use in all public facilities and set a goal to reduce energy use and costs according to the ICLEI milestones and the Minnesota Global Warming Mitigation Act of 2007

[Sartell 2016 Comprehensive Plan, Sustainability Chapter \(November 2016\)](#)

---

**24 Shakopee**

Promote and integrate resource-efficient systems into public and private facilities

- Integrate energy-efficient technologies into public facilities
- Incorporate water-reduction technologies in city-owned buildings and facilities
- Establish a policy for fuel efficiency standards for city fleet vehicles
- Conduct an energy audit of city-owned buildings in order to improve their environmental sustainability

- Encourage energy-efficient practices in private facilities
- Allow for and encourage green roofs on residential and commercial buildings
- Allow for and encourage electronic vehicle charging stations
- Encourage adaptive reuse of existing/historic buildings

[Shakopee 2040 Comprehensive Plan \(Draft - August 2018\)](#)

**25 Shorewood**

- Engage Shorewood businesses and residents in 500 energy saving programs annually to save an estimated 945,000 kWh, or 2% of Shorewood’s annual baseline energy use.
- Engage 300 or more subscribers in Xcel Energy’s Windsource® and/or Renewable\*Connect by 2020.

[Shorewood Energy Action Plan \(Partners in Energy, Draft - June 2017\)](#)

**26 Washington County**

Support the state climate and energy goals of the Next Generation Energy Act of 2007, including:

- Reduce overall GHG emissions 15% by 2015
- Reduce overall GHG emissions 30% by 2025
- Reduce overall GHG emissions 80% by 2050

[Washington County Energy Plan \(August 2018\)](#)

- Collaborate with public entities, community organizations, businesses within the county, and with other counties to achieve mutual energy goals.
- Lead by example in county operations to conserve energy, use renewable energy sources in an effective manner, and take steps to reduce greenhouse gas emissions.

[Washington County 2040 Comprehensive Plan, Resilience and Sustainability Chapter \(Draft - March 2018\)](#)

**27 Winona**

Reduce energy use 10 percent over a 2016 baseline by 2025

Achieve a 100 percent reduction in energy-related greenhouse emission (carbon neutrality) by 2050

Residential Energy:

- Double annual participation in conservation programs.
- Double the average number of renewable energy subscribers and double the average monthly subscription amount within one year.

Institutions:

- Reduce institutional energy use by 15 percent below a 2016 baseline by 2025.

- Engage Winona institutions to support renewable energy development equal to 10 percent of their energy use by 2030.

Large Commercial/Industrial Energy Users:

- Engage 90 percent of large commercial/industrial customers to participate in at least one conservation program within three years.
- Ensure at least three large commercial/industrial customers commit to adding on-site renewable energy generation within three years.

Small- and Medium-Size Businesses:

- Engage at least 40 small/medium size businesses to participate in conservation programs annually.
- Double annual energy use reductions among small/medium businesses.
- Ensure at least one small business subscribes to or installs renewable energy generation annually.

[Winona's Energy Action Plan \(Partners in Energy - October 2017\)](#)

**28 Woodbury**

Conserve energy, monitor energy consumption, and promote the use of clean, renewable energy to reduce greenhouse gas contributions.

- Promote and incorporate design elements such as resource and energy conservation and use of renewable energy, including solar energy and geothermal, in new development and redevelopment.
- Encourage development of community solar gardens, in appropriate areas, that provide clean energy while also creating co-benefits such as pollinator habitat.
- Promote sustainable building design programs and renewable energy and conservation programs, including but not limited to, the State's B3 Program
- Encourage energy and resource conservation strategies to limit the effects of climate change, including decreased use of fossil fuels and a shift to renewable energy sources.

[Woodbury 2040 Comprehensive Plan, Natural Resource Chapter \(Draft - July 2018\)](#)



**GREAT PLAINS  
INSTITUTE**

Better Energy.  
Better World.

