



Step 4 & 5 - Metrics Highlights

Updated June 2023

The following summaries are taken from Step 4 & 5 metrics reports and are considered unique or improved. See more with the [Step 4 & 5 Metrics Dashboard](#).

Summary – 2023 Reports

- In 2023, **33 communities completed Step 4** and all **33 also completed Step 5** metrics reporting. All communities submitting metrics received recognition. Two communities reached both Steps 4 and 5 this reporting year. For two communities, this was their first time reporting Step 4 metrics and size reached Step 5 for the first time this year.
- 14 Step 5 cities reported a reduction in **kBtu usage in city facilities**. (Metric 1.1)
- Percent **LED streetlights** owned by the city and utility have increased to an average of 70% in 2021 from 14% in 2016 (Metric 1.4)
- 21 cities report 100% of their **traffic signals** have been converted to LED. (Metric 1.5)
- 12 Step 5 cities saw an improvement in **city fleet gasoline MPG**. The total average for all cities is 11.5 MPG, but similar to 2018 average MPG (Metric 3.2)
- Cities report owning or leasing 61 **electric vehicles in the city fleet**; up from just 28 in 2018. (Metric 3.5)
- Cities reported that 44.5 **miles of new or reconstructed sidewalks or trails** were completed (Metric 4.1)
- An average of 94% of residents in reporting cities **live within one mile of a bike route** (4.2); 77% **live within ¾ mile of transit route** (5.8); 88% **live within ½ mile or 10 minute walk of parkland** (8.3).
- Reporting cities average over 15 **public electric vehicle charging stations** and 18 Step 5 cities saw an increase. (Metric 5.1)
- Cities reported adding an average of 37% **affordable housing units** (of total housing added) throughout their communities. (Metric 7.6)
- Reporting cities average 36% of **total city acres in open space** (8.1); an average of 11,187 acres per community (8.2); and an average of 29% **tree canopy** across the city (8.4).
- Cities reported planting a total of 5,045 **new trees** in their communities, an increase for 15 Step 5 cities. (Metric 8.6)
- Cities reported **Stormwater Assessment scores** of an average of 51.1% overall and 56.7% for the climate adaptation score (Metric 9.1 and 9.2)
- 12 Step 5 cities saw a reduction in **daily residential gallons of water** used per person/per day. (Metric 10.1)
- 7 Step 5 cities saw a reduction in **daily business gallons of water** used per job/per day. (Metric 10.2)
- Cities reported an average of 4.5 pounds of **solid waste generated** per city resident/per day, a pound increase over 2022 metrics. (Metric 13.1)
- 2022 Step 4&5 cities reported a collective total of 4,398 **municipal and private renewable energy generation sites** – an increase of 1,510 sites compared to the previous year. (Metric 14.1)
- The average percent of total city energy use that is met by **generated and/or purchased renewable energy** increased from 36% in 2021 to 38.5%. (Metric 14.6)
- All cities with reported **Regional Indicators Initiative** data (32) show an increase in 2021 reported city-wide travel emissions; 4 show a decrease in waste emissions; and 2 with data show a decrease in energy emissions (Metrics 17.1-17.3)

Apple Valley

Step 4	2020-2023
Step 5	2021-2023

- 100% of traffic lights are LED.
- 100% of Apple Valley's housing is located within 1 mile of a bike route.
- Improved Stormwater Assessment scores from 58 in 2019 to 64 in 2022; adaptation scores from 59 to 65 in 2021.
- Doubled the number of city-owned and private renewable energy generation sites from 3 (90 kW) in 2019 to 6 (179 kW) in 2022 (In Xcel Energy territory only).

Bloomington

Step 4	2020-2023
Step 5	2021-2023

- Increased the number of public electric vehicle charging stations from 32 in 2019 to 102 in 2021; the most of any Step 4/5 reporting city.
- 73% of the city is in open space.
- Bloomington scored the highest Stormwater Assessment scores of any Step 4/5 reporting city with 79% and 97% (adaptation).
- Increased the number of city-owned and private renewable energy generation sites from 76 (985kW) in 2019 to 360 (10934 kW) in 2022 (more than 4x!).
- Over 1000 homes have participated in the City's Time of Sale Energy Disclosure program since launching in 2022.
- The City introduced the Curbside Organics Recycling program in 2022. More than 5,600 homes were composting curbside, resulting in 1,191 tons of food scraps and other organic material being diverted from the garbage.

Burnsville

Step 4	2016-2017, 2019-2023
Step 5	2017, 2019-2023

- 100% of traffic signals are LEDs.
- Burnsville's average city gasoline fleet MPG was 16.5 MPG in 2019.
- 98% of housing is located within 1 mile of a bicycle route.
- 90% of housing units within 3/4 miles of transit routes.
- 100% of net new trees planted were considered "likely to thrive" species.
- 12.5% of residential solid waste is composted.
- Increased the number of city-owned and private renewable energy generation sites from 8 (185 kW) in 2019 to 86 (722 kW) in 2022 (more than 10x!).

Coon Rapids

Step 4	2022-2023
Step 5	2022-2023

- Increased the % of LEDs in city street lights from 41.8% in 2021 to 63% in 2022.
- 100% of Coon Rapid's housing is within 1 mile of a bike route.
- 100% of the city's 303 net new trees planted in 2022 were considered 'likely to thrive.'

- Improved Stormwater Assessment scores from 46 in 2021 to 55 in 2022; adaptation scores from 54 to 69.
- Increased the number of city-owned and private renewable energy generation sites from 13 (101.8 kW) in 2019 to 82 (2661.23 kW) in 2021 (more than 6x!).

Duluth

Step 4	2020-2023
Step 5	2021-2023

- Increased the % of LEDs in city buildings and property from 25% in 2019 to 60% in 2021.
- Increased the number of public electric vehicle charging stations from 9 in 2019 to 56 in 2022.
- 48% of land within commercial/mixed zoning districts has been built with a FAR at/above 1.0.
- 82.59 acres of new development took place on previously developed land in 2022.
- Improved Stormwater Assessment scores from 46 in 2021 to 52 in 2022; adaptation scores from 58 to 65.
- Increased the number of city-owned and private renewable energy generation sites from 208 (1884 kW) in 2019 to 441 (1710044 kW) in 2021.
- Increased the number of residents/businesses participating in renewable energy purchasing/green power programs from 89 in 2019 to 401 in 2021 (more than 4x!).
- 56% of total city operations energy use is generated (1704 MWhr/year) or purchased (1476.72 MWhr/year) by renewable electricity, up from 31.23% in 2021.
- Police biked 1959 miles in 2022.

Eagan

Step 4	2017-2023
Step 5	2018-2023

- Increased the percent of street lights converted to LED from 0% in 2016 to 14.1% in 2022.
- 100% of traffic lights are LED.
- Increased the percent of LED lighting in city buildings and property from 28.7% in 2016 to 52.5% in 2022.
- Increased the number of city-owned/leased electric vehicles in city fleet from 4 in 2017 to 8 in 2022.
- 100% of Eagan’s housing is within ½ mile of a bike route.
- The number of public electric vehicle charging stations in the city has increased from 2 in 2016 to 22 in 2022.
- 22.2% of all new housing built in 2022 was affordable (201 units of a total of 905 added)
- 100% of the city’s 246 net new trees planted in 2022 were considered ‘likely to thrive’.
- Fitz Lake was removed from the impaired water bodies list after significant investment on water quality.
- Doubled the number of city-owned and private renewable energy generation sites from 141 sites in 2021 to 221 sites in 2022.
- Converted 1.1 acres of turf lawn to pollinator native prairie in 2022

Eden Prairie

Step 4	2016-2023
Step 5	2017-2023

- 100% of street lights and traffic lights are LEDs.
- 100% of Eden Prairie’s housing is within ½ mile of a bike route.
- Increased the number of city-owned or leased electric vehicles in the fleet from 0 in 2018 to 7 in 2022.

- The number of public electric vehicle charging stations in the city has increased from 10 in 2018 to 23 in 2022.
- 100% of the city's 460 net new trees planted in 2022 were considered 'likely to thrive'.
- Increased the Stormwater Assessment scores from 32% (21% adaptation score) in 2020 to 48% (44%) in 2021.
- 100% of waterbodies in the city show at least good clarity readings.
- More than 2x increase in the number of city-owned and private renewable energy generation sites from 137 (2749 kW) in 2021 to 385 (17780.42 kW) in 2022.
- Increased the annual production of city-owned renewable energy generation from 28 MWh in 2020 to 1096 MWh in 2021.
- Increased annual renewable energy purchases for city operations from 0 MWh in 2019 to 3482.68 MWh in 2022. 19.5% of total city operations energy use is covered by generated and purchased renewable electricity.

Edina

Step 4	2018, 2020-2021
Step 5	2020-2021

- Reduced kBtu per square foot per year in city buildings from 107.9 in 2018 to 87.4 in 2020.
- Increased the number of public electric vehicle charging stations from 4 in 2017 to 11 in 2020.
- Business water usage decreased from 28.4 gallons/job/day in 2017 to 14 in 2020.
- A steady decrease in percent of annual drinking water losses from 4.1% in 2016 to 1.2% in 2020.

Elk River

Step 4	2016-2022
Step 5	2017-2022

- Increased LED street lights that are owned by the city and utility from 23% in 2017 to 51.7% in 2021; 100% of traffic lights and 100% of city buildings and property are LEDs.
- As of 2021, the city now has 8 hybrid vehicles on the city fleet.
- Elk River added 9.1 miles of new or reconstructed sidewalks & trails in 2021, one of the highest of any Step 4/5 reporting city.
- Residential organics recycling steadily increased from 0.27% in 2018 to 0.36% in 2021.
- Increased the number of city-owned and private renewable energy generation sites from 10 in 2018 to 30 in 2021.
- 100% of total city operations energy use that is generated or purchased renewable electricity, an increase from 17% in 2018.
- Elk River saw a reduction in community-wide *travel, energy, and overall* greenhouse gas emissions in 2021. Between 2021 and 2018, this is an overall reduction of 53,332 tonnes of CO₂e – the [equivalent](#) of removing 11,491 gasoline-powered passenger vehicles driven for one year or adding 14.5 wind turbines running for a year.

Falcon Heights

Step 4	2017-2023
Step 5	2018-2023

- 100% of street, traffic, and city building/property lights are LEDs.
- 100% of housing is located within 1 mile of bike routes and ¾ mile of transit routes.
- 100% of new housing added in 2022 (3.78 acres and 125 units) were affordable units.
- 80% of the city is in open space, the most of any Step 4/5 reporting city.
- Increased the number of city-owned and private renewable energy generation sites from 17 (127 kWh) in 2019 to 62 (1112.4kW) in 2021.
- 100% of housing is located within 1 mile of local food venue and fresh fruits and vegetables.

Fridley

Step 4	2022-2023
Step 5	2023

- 3 city-owned buildings are green-certified under the State of Minnesota SB 2030 Energy Standard.
- Fridley has 2 city owned/leased electric vehicle in the city fleet.
- 99.9% of Fridley's housing is within 1 mile of a bike route.
- 100% of housing units are located within 3/4 miles of transit routes.
- 15% of all new housing units developed in 2022 were affordable.
- 99% of Fridley's housing is within ½ mile (a 10 minute walk) of parkland.
- 104 net new trees were planted in 2022, 4x the previous year.
- Improved Stormwater Assessment scores from 46 in 2021 to 55 in 2022; adaptation scores from 44 to 54.
- Residential water usage decreased from 69.33 gallons/person/day in 2021 to 63.57 in 2022.
- Reduced city operations water use by 128,000 summer gallons and 240,000 winter gallons from 2021 to 2022.
- Increased the number of city-owned and private renewable energy generation sites from 15 (1657kW) in 2019 to 27 (2317kW) in 2022 (nearly double!).
- 43.6% of the city's operations use is generated and purchased renewable energy.

Golden Valley

Step 4	2019-2023
Step 5	2021-2023

- 100% of traffic signal lighting is LED.
- 16 private buildings in Golden Valley have green building certifications through LEED and/or EnergyStar.
- 100% of housing units are located within 1 mile of a bike route and ¾ mile of public transit options.
- Increased the number of public EV charging stations from 2 in 2016 to 16 in 2022.
- The city added an electric vehicle to their fleet in 2022 (two total).
- Improved Stormwater Assessment scores from 55 in 2018 to 60 in 2022; adaptation scores from 54 to 55.
- Increased the number of city-owned and private renewable energy generation sites from 65 (839 kW) in 2017 to 305 (4268 kW) in 2022.

- Golden Valley residents have a mixed recycling participation rate of 97%; organics recycling participation rate of 45%.
- In 2022, Golden Valley completed the initial 18-month implementation phase of the city's Energy Action Plan with Partners in Energy, making us a graduate community.

Hopkins

Step 4	2022-2023
Step 5	2023

- 100% of Hopkin's housing is located within 1 mile of a bike route and the city scored a 70 Bike Score, making it very bikable for most trips.
- City employees in single occupancy vehicles reduced their average round-trip vehicle miles traveled from 21 miles in 2021 to 18.6 miles in 2022.
- 96% of total housing added in the city in 2022 were affordable units (43 units).
- Hopkins more than doubled the net new trees planted - 141 planted in 2022, up from 66 planted in 2021.
- Since 2017, Hopkins has lined or replaced 65769 linear feet of sanitary sewer pipe, which is 26.2% of all the sanitary sewer pipe in the city and replaced or sealed 229 sanitary sewer manholes, which is 21.1% of all the sanitary sewer manholes in the city.
- Increased the number of city-owned and private renewable energy generation sites from 28 (339 kW) in 2021 by double to 58 (689 kW) in 2022.
- 81.5% of total city operations energy use that is generated or purchased renewable electricity (417.51 MW generated; 2870.75 MW purchased).
- Hopkins worked with Xcel Energy to study fleet electrification in 2022.
- Hopkins allocated money for a green cost share program in 2022 that will roll out in 2023.

Hutchinson

Step 4	2016-2023
Step 5	2017-2023

- Increased the percent of LED streetlights owned by the city annually from 1.8% in 2015 to 33% in 2022.
- 100% of traffic lights are LED; LEDs in city buildings and property increased from 7.5% in 2018 to 25% in 2020.
- Increased the percent of LED lighting in city buildings from 7.5% in 2018 to 65% in 2022.
- Hutchinson added 1 city-owned/leased electric vehicle to the city fleet in 2021.
- 100% of Hutchinson is located within 1 mile of a bike route and the city scored a 75 Bike Score, making it very bikeable for most trips and the highest reported score of any Step 4/5 reporting city.
- Increased the number of public EV charging stations from 2 in 2018 to 6 in 2022.
- 100% of housing is located within ½ mile (10 min. walk) of parkland.
- 100% of the 360 trees planted in 2022 were tree species considered "likely to thrive."
- Increased the number of city-owned and private renewable energy generation sites from 4 (420 kW) in 2018 to 13 (1566 kW) in 2022.

Inver Grove Heights

Step 4	2020-2023
Step 5	2021-2023

- 100% of traffic lights are LED.

- 99.9% of Inver Grove Height’s housing is within 1 mile of a bike route.
- 86% percent of housing is located within 1/2 mile of a trail/sidewalk.
- Increased the number of city-owned and private renewable energy generation sites from 19 (146 kW) in 2019 to 137 (2430 kW) in 2022.

Jordan

Step 4	2020-2023
Step 5	2021-2023

- Reduced kBtu per square foot per year in city buildings from 2806.44 in 2019 to 192.84 in 2022.
- Increased streetlights using LEDs from 21% in 2019 to 45% in 2022.
- 100% of Joran's housing is located within 1 mile of a bike route.
- 100% of Jordan's housing is located within 1/2 mile (10-min. walk) of parkland and total parkland increased from 192.37 in 2020 to 226.58 in 2022.
- Water usage decreased across city operations, residents, and businesses in 2022.
- 100% of water bodies show at least "good" water clarity.
- 120% of Jordan's total city operations use in renewable energy, purchasing 47677 MWhrs of renewable energy.
- Organics and yard waste collection site started in 2021 with 170 participants and grew to 234 participants in 2022.

La Crescent

Step 4	2022-2023
Step 5	2023

- Reduced kBtu per square foot per year in city buildings from 70.48 in 2021 to 65.38 in 2022.
- 100% of La Crescent’s traffic signals are LED.
- 100% of housing is located within 1 mile of a bicycle route and the city scored a 75 Bike Score, making it very bikeable for most trips.
- La Crescent planted 100 net new trees in 2022, up from 80 in 2021.
- Improved Stormwater Assessment scores from 34 in 2021 to 42 in 2022; adaptation scores from 43 to 52.
- 100% of water bodies in the city show at least "good" clarity readings.
- Increased the number of city owned and private renewable energy generation sites from 40 (262.42 kW) in 2021 to 46 (326.6 kW) in 2022.
- 87% of La Crescent’s total city operations use renewable energy (generated and purchased).
- 100% of La Crescent’s housing is located within 1 mile of a local food venue and fresh fruits and vegetables.

Mahtomedi

Step 4	2019-2023
Step 5	2021-2023

- 100% of street and traffic lights are LED.
- 100% of housing is located within 1 mile of a bicycle route.
- 53.2% of total city acres are in open space.
- Improved Stormwater Assessment scores from 53 in 2020 to 60 in 2022; adaptation scores from 64 to 81.
- Reduced all water usage for residents, businesses, and city operations (summer and winter) in 2022.

- Increased the number of city-owned and private renewable energy generation sites from 8 (19.72 kW) in 2018 to 44 (218 kW) in 2022.
- Mahtomedi purchases 646.36 MWhr/yr of renewable energy for city operations; 80% of city operation's needs.
- 100% of housing is located within 1 mile of a local food vendor.
- Mahtomedi saw a reduction in community-wide waste and energy greenhouse gas emissions in 2022.

Maplewood

Step 4	2016-2023
Step 5	2017-2023

- 100% of traffic lights are LEDs; increased LED street lights from 67% in 2018 to 100% in 2022; increased city building LEDs from 33% in 2018 to 95% in 2022.
- Constructed new or reconstructed 2.5 miles of sidewalk and trails in 2022.
- 100% of Maplewood residents are within 1 mile of a bicycle route, an increase over 62% in 2017.
- 100% of Maplewood residents live within ¾ miles of transit routes.
- 96% of all new housing (148 units) added in 2022 were affordable units.
- Improved Stormwater Assessment scores from 55 in 2019 to 70 in 2022; adaptation scores from 73 to 90.
- Increased the number of city-owned and private renewable energy generation sites from 32 (524 kW) in 2018 to 165 (5636 kW) in 2022.
- Maplewood purchases 754 MWhr/yr of renewable energy for city operations; 54.93% of city operation's needs.
- Maplewood saw a reduction in community-wide waste and energy greenhouse gas emissions in 2022.
- 10 raingardens were installed in 2022 (9 on private property with RWMWD and 1 infiltration basin/rain garden installed as part of the Maplewood 2022 street project).

Marshall

Step 4	2022-2023
Step 5	2022-2023

- 100% of Marshall residents are within 1 mile of a bicycle route, an increase over 62% in 2017.
- Marshall reported the highest walk score at 77 of any Step 4/5 reporting city.
- Increased percent of affordable housing units added as a percent of all new housing units from 14.29% in 2020 to 16.39% in 2021.

Minnetonka

Step 4	2019-2023
Step 5	2020-2023

- Increased the amount of LED lighting in city buildings and property from 70% in 2019 to 93% in 2022.
- 100% of housing is located within 1 mile of bicycle route.
- 98.4% of housing is located within ¾ mile of transit routes.
- 19.5% of total new housing added in 2022 was affordable housing.
- Business water usage decreased from 50.6 gallons/job/day in 2019 to 35.4 in 2022.
- Increased the number of city-owned and private renewable energy generation sites from 73 (661 kW) in 2019 to 251 (10027.85 kW) in 2022.

- 88% of total city operations energy use is generated or purchased by renewable electricity, up from 37% in 2018.

Moorhead

Step 4	2021-2023
Step 5	2022-2023

- 100% of traffic lights are LEDs.
- Southshore Landing added 113795 square feet of certified ENERGY STAR building in 2022.
- 100% of housing is located within 1 mile of bicycle route.
- 90% of housing is located within ¼ mile of transit routes.
- 14.8% (26 units) of all new housing units added in 2022 were affordable.
- 75.3% of total city acres is open space.
- 90% of housing is located within ½ mile (10 minute walk) of parkland.
- 57% of total city operations energy use is generated (715 MWhr/year) or purchased (13886 MWhr/year) by renewable electricity, up from 55% in 2020.
- 13 acres of prairie vegetation was planted in M.B. Johnson and Southside Regional parks.

Morris

Step 4	2021, 2023
Step 5	2023

- 100% of street, traffic, and city building/property lights are LEDs.
- An organics recycling program launched and is estimated to have 2% of food waste diverted from the waste stream.
- Installed 4 solar PV sites in 2021/22 - 23 kW array at city hall, a 31 kW array at the community center, a 36 kW array at the library, and a 23 kW array at the municipal liquor store, producing 118.8 MWhr/year and generating electricity to cover 7.4% of total city operations.
- 90% of housing is located within 1 mile of a local food vendor and fresh fruits/vegetables.
- Morris developed it's own comprehensive Greenhouse Gas and Nitrogen Emissions Inventory for 2020-2022.

New Brighton

Step 4	2019-2023
Step 5	2020-2023

- 100% of street, traffic, and city buildings/property lighting use LEDs.
- 1 electric vehicle was leased/purchased for New Brighton's city vehicle fleet in 2022.
- 100% of housing is located within 1 mile of bicycle route, up from 95% in 2018.
- 100% of New Brighton's housing is located within a 1/2 mile or 10-minute walk of parkland.
- Annual production on city-owned renewable energy generation sites supplied 4.77% (428.83 MWh) of the all city operations energy needs.

Nisswa

Step 4	2020-2022
Step 5	2022

- 90% of city building/property lights are LEDs; the city doesn't own any street or traffic lights.
- Nisswa's average city gasoline fleet MPG is 13.5 MPG; diesel is 15.9 MPG, the highest of any Step 4/5 reporting city.
- Increased the number of city-owned/leased electric vehicles in the city fleet from 2 to 3 in 2021.
- Nisswa city population travels just 7.7 vehicle miles per person, per day on average - the least of any Step 4/5 reporting city.
- Nisswa planted 10 net trees in 2021, up from 0 in 2020.
- Nisswa saw a reduction in community-wide *travel, waste, energy, and overall* greenhouse gas emissions in 2021. Between 2020 and 2018, this is an overall reduction of 4,885 tonnes of CO₂e – the [equivalent](#) of removing 1,053 gasoline-powered passenger vehicles driven for one year or adding 1.3 wind turbines running for a year.
- 97% of high school students graduate; 44% attain a Bachelor's degree or higher.

Northfield

Step 4	2020-2023
Step 5	2021-2023

- 100% of traffic lights and city buildings and property use LED lighting.
- Northfield's city vehicle fleet added 1 leased or owned electric vehicle in 2022.
- 100% of housing is located within 1 mile of bicycle route.
- 72% of all new housing in 2022 were affordable housing units.
- 100% of Northfield's housing is located within ½ mile or 10-minute walk of parkland.
- Improved Stormwater Assessment scores from 40 in 2019 to 45 in 2022; adaptation scores from 35 to 40.
- Increased solar garden purchases from 1675.52 MWhr/year in 2019 to 1984.92 MWhr/year in 2021 and 2022, covering 36.44% of total city operation energy needs.

North Saint Paul

Step 4	2019-2020, 2023
Step 5	2020, 2023

- 100% of street lights, 100% of traffic lights, and 97% of city buildings and properties are LEDs.
- 98% of housing is located within 1 mile of a bicycle route.
- 99.7% of North Saint Paul's housing is located within 1/2 mile of a 10-minute walk of parkland/ open space.
- 100% of total city operations energy use is generated or purchased renewable electricity.

Oakdale

Step 4	2017-2023
Step 5	2018-2023

- 100% of traffic lights are LEDs.

- Oakdale installed 2.94 miles of new or reconstructed sidewalk and trail in 2022 - nearly double than in previous reported years.
- 100% of housing is located within 1 mile of bicycle route.
- 90% of Oakdale's housing is located within 1/2 mile or 10-minute walk of parkland.
- Increased the number of city-owned and private renewable energy generation sites from 10 (235.11 kW) in 2016 to 100 (3728.54 kW) in 2022.
- Oakdale purchases 4003.9 MWhr/yr of renewable energy for city operations in 2022, up from 0 in 2018 and covering 81.76% of total city operations electricity needs.

Red Wing

Step 4	2017-2022
Step 5	2018-2022

- 99% of street lights and 100% of traffic lights are LEDs.
- Increased the number of public electric vehicle charging stations from 4 in 2017 to 7 in 2020.
- Red Wing's Location Affordability Index number for housing and transportation – 58 – is the highest of any Step 4/5 reporting city.
- 45% of all new housing were affordable housing units in 2021.
- 38% of residential solid waste is recycled, up from 27% in 2020.
- Red Wing purchases 4,637 MWhr/yr of renewable energy for city operations, amounting to 120% of total city operations energy use that is generated or purchased renewable electricity, the most of any Step 4/5 reporting city.
- Red Wing saw a reduction in community-wide *travel, waste, energy, and overall* greenhouse gas emissions in 2021. Between 2020 and 2018, this is an overall reduction of 41,940 tonnes of CO₂e – the [equivalent](#) of removing 9,037 gasoline-powered passenger vehicles driven for one year or adding 11.4 wind turbines running for a year.
- In 2021, Red Wing coordinated a local cleanup event with Prairie Island Indian Community
- Red Wing created a Sustainable Red Wing Award and selected its first recipient in 2021.

Rochester

Step 4	2018, 2020-2022
Step 5	2018, 2020-2022

- 100% of traffic lights are LEDs; increased percentage of LED streets lights from 16.7% in 2016 to 97.88% in 2021.
- 97.8% of Rochester's housing is within 1 mile of a bike route.
- 95.8% of housing is located within ¾ mile of transit routes.
- Increased total acres of parkland from 5090 in 2020 to 5125 in 2021; 98% of housing is located within ½ mile (a 10 minute walk) of parkland.
- Increased Stormwater Assessment Scores from 46 (36 adaptation) in 2020 to 51 (43 adaptation).
- 43% of Rochester residential solid waste is recycled.
- 24.4% of total city operations energy use that is generated or purchased renewable electricity, up from 17% in 2019.
- Rochester saw a reduction in community-wide *travel, energy, and overall* greenhouse gas emissions in 2021. Between 2020 and 2018, this is an overall reduction of 223,369 tonnes of CO₂e – the [equivalent](#) of

removing 48,129 gasoline-powered passenger vehicles driven for one year or adding 60.7 wind turbines running for a year.

- Rochester finished their Sustainability & Resiliency Community Work Plan in 2021.

Roseville

Step 4	2020-2023
Step 5	2021-2023

- 100% of street lights, traffic lights, and city buildings and properties are LEDs.
- The average MPG for the city's gasoline fleet was 19.3 MPG in 2021, the highest MPG of any Step 4/5 reporting city.
- Roseville has 1 city-owned/leased EV in the fleet.
- 2 new electric vehicle charging stations were installed in Roseville in 2022, with a total of 36 plugs.
- 100% of Roseville's housing is located within 1 mile of a bicycle route.
- 100% of housing is located within ¼ mile of transit routes.
- 100% of all new housing added in 2022 was affordable housing.
- Roseville planted 359 net trees in 2022 - more than double what was planted in previously reported years.
- Roseville scored the highest Stormwater Assessment Scores of any Step 4/5 reporting city and improved scores from 70 in 2021 to 80 in 2022; adaptation scores from 69 to 89.
- Increased the number of city owned and private renewable energy generation sites from 86 (736 kW) in 2019 to 288 (5105 kW) in 2022.
- 58% of total city operations energy use that is generated or purchased renewable electricity, up from 46% in 2019.
- Roseville graduated from the Partners in Energy program and is implementing actions.
- Roseville hired a full-time Sustainability Coordinator to manage their sustainability and climate-related work.

Saint Anthony Village

Step 4	2016-2023
Step 5	2017-2023

- 100% of street and traffic lights are LEDs.
- 100% of housing is located within ¼ mile of transit routes.
- 100% of Saint Anthony Village's housing is located within ½ mile or 10-minute walk of parkland.
- Saint Anthony Village planted 45 net new trees in 2022, nearly 5x more than the previous two years.
- Increased the number of city owned and private renewable energy generation sites from 15 (138.15 kW) in 2018 to 78 (827 kW) in 2022.
- Saint Anthony Village purchased 610 MWhr/yr of renewable energy for city operations, up from 469.2 in 2019; accounting for 38.81% of total city operations energy needs.

Saint Louis Park

Step 4	2020-2023
Step 5	2021-2023

- Reduced kBtu per square foot per year in city buildings from 118.87 in 2019 to 94.48 in 2022.
- 90% of city traffic lights are LED.

- Increased city facility LED lighting from 55% in 2019 to 80% in 2022.
- 85% (189212 square feet) of new construction was built in the city in 2022 under the city's Green Building Policy, LEED, or Energy Star certifications.
- Increased the number of city-owned/leased electric vehicles in the city fleet from 3 in 2020 to 7 in 2022.
- 100% of housing is located within 1 mile of a bicycle route.
- Increased the number of public electric vehicle charging stations from 8 in 2019 to 52 in 2022.
- 100% of St. Louis Park's housing is located within 3/4 mile of transit routes.
- 70.85% of all new housing were affordable housing units in 2022.
- 95% of St. Louis Park's housing is located within ½ mile (a 10 minute walk) of parkland.
- Residential gallons of wastewater produced per person/day decreased from 59.92 in 2020 to 4956 in 2022.
- St. Louis Park has an inflow and infiltration volume to total volume entering the wastewater collection system ratio of 0.03.
- Increased the number of city-owned and private renewable energy generation sites from 51 (741 kW) in 2019 to 226 (2773kW) in 2022 (over 4x!)
- Annual production on city-owned renewable energy generation sites (278 MWh) and purchased renewable energy (11438.4 MWh) supplied 100% of all city operations energy needs in 2022.
- A 246 solar array was installed in 2022 on the St. Louis Park Rec Center.

Savage

Step 4	2022-2023
Step 5	2022-2023

- 100% of housing is located within 1 mile of a bike route.
- Reduced water use by residents and from city operations (summer and winter) in 2022. Non-summer city operations water use reduced by half from 9041861 gallons in 2021 to 4878750 in 2022.
- 100% of water bodies in the city showing at least good clarity readings.
- For the second year, the internal Green Team provided activities such as bike/walk to work, staff roadside cleanup, and community earth day cleanup.
- In 2022 the Savage partnered with Xcel Energy to complete the Fleet Electrification Analysis Program for a representative sample of fleet vehicles.

Saint Paul

Step 4	2017-2019
Step 5	2018-2019

- 100% traffic signals are LED.
- Increased the amount of open space by 1% in 2019.
- Increased the percent of total city operations using renewable energy from 1% to 16% in 2019.

Shoreview

Step 4	2018-2020, 2022-2023
Step 5	2019-2020, 2022-2023

- Increased percent of street lights that are LED from 35% in 2017 to 48% in 2021; city buildings/property from 66% to 75%.
- 100% of Shoreview’s housing is within 1 mile of a bike route.
- Increased the number of public electric vehicle stations from 0 to 9 in 2021; installed 2 dual-port stations at the Community Center.
- 95% of housing is located within ¼ mile of transit routes.
- Increased the number of city owned and private renewable energy generation sites from 32 (352 kW) in 2019 by 5x to 176 (16711 kW) in 2022.
- Increased the number of local food venues from 1 to 3 in 2021; apple orchard, weekly farmers market, locally sourced restaurant.

South Saint Paul

Step 4	2021-2022
Step 5	2022

- Reduced kBtu per square foot per year in city buildings from 97.85 in 2020 to 68.98 in 2021.
- 100% of city street lights are LEDs; 90% of city traffic lights are LEDs.
- 100% of housing is located within ¼ mile of transit routes.
- 94% of South Saint Paul’s housing is located within ½ mile or 10-minute walk of parkland.
- South Saint Paul saw a reduction in community-wide *travel, energy, and overall* greenhouse gas emissions in 2021. Between 2020 and 2019, this is an overall reduction of 25,077 tonnes of CO2e – the [equivalent](#) of removing 5,403 gasoline-powered passenger vehicles driven for one year or adding 6.8 wind turbines running for a year.

White Bear Lake

Step 4	2018
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- White Bear Lake reported 6 EV charging stations in 2018.
- 100% of White Bear Lake’s housing is located within ½ mile of parkland.

Woodbury

Step 4	2019-2023
Step 5	2019-2023

- 100% of city-owned street and traffic lights are LEDs.
- Woodbury leased or owns a total of 15 electric vehicles on their city fleet (9 vehicles and 6 plug-in EVs for parks maintenance); the highest of any Step 4/5 reporting city.
- 100% of housing is located within 1 mile of bicycle route.
- Increased the number of public electric vehicle charging stations from 8 in 2017 to 32 in 2022.
- Increased the number of acres that are parkland from 3386.2 in 2017 to 3590.25 in 2022.
- 100% of residents are located within a ½ mile or 10 minute walk of a park.
- 100% of lake shoreland has at least a 50' vegetation buffer.
- Increased the number of city owned and private renewable energy generation sites from 63 (1045 kW) in 2017 to 417 (8658 kW) in 2022 - adding 6269 kW in 2022 alone.

- 33.1% of total city operations energy use that is generated or purchased renewable electricity (28.7 MW generated; 12.6 MW purchased).
- The City of Woodbury established Environmental Stewardship as a 2022-2024 Strategic Initiative.