



Step 4 & 5 - Metrics Highlights

Updated June 2022

The following summaries are taken from Step 4 & 5 metrics reports and are considered unique or improved.

Full reports by city are available [here](#).

See more with the [Step 4 & 5 Metrics Dashboard](#).

Summary – 2022 Reports

- In 2022, **34 cities completed Step 4** and **31 cities completed Step 5** metrics reporting. All cities submitting metrics received recognition. 3 cities reached both Steps 4 and 5 this reporting year. For 6 cities, this was their first time reporting Step 4 metrics; 6 cities also reached Step 5 for the first time this year.
- 16 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 2020 from 14% in 2016 (Metric 1.4)
- 21 cities report 100% of their **traffic signals** have been converted to LED. (Metric 1.5)
- 14 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 54 **electric vehicles in the city fleet**; up from just 28 in 2018. (Metric 3.5)
- Cities reported that 53.7 **miles of new or reconstructed sidewalks or trails** were completed (Metric 4.1)
- An average of 95% of residents in reporting cities **live within one mile of a bike route** (4.2); 78% **live within ¼ mile of transit route** (5.8); 86% **live within ½ mile or 10 minute walk of parkland** (8.3).
- Reporting cities average over 11 **public electric vehicle charging stations** and 16 Step 5 cities saw an increase. (Metric 5.1)
- Cities reported adding 322 **affordable housing units** throughout their communities. (Metric 7.6)
- Reporting cities average 36% of **total city acres in open space** (8.1); an average of 1,699 acres per community (8.2); and an average of 32% **tree canopy** across the city (8.4).
- Cities reported planting a total of 8,273 **new trees** in their communities, an increase for 19 Step 5 cities. (Metric 8.6)
- Cities reported **Stormwater Assessment scores** of an average of 48.8% overall and 50.6% for the climate adaptation score (Metric 9.1 and 9.2)
- 3 Step 5 cities saw a reduction in **daily residential gallons of water** used per person/per day. However, the total average of 64 gallons was an increase overall compared to past years. (Metric 10.1)
- 3 Step 5 cities saw a reduction in **daily business gallons of water** used per job/per day. However, the total average of 142.6 gallons was an increase overall compared to past years. (Metric 10.2)
- Cities reported an average of 3.34 pounds of **solid waste generated** per city resident/per day, a minor decrease over 2021 metrics. (Metric 13.1)
- 2022 Step 4&5 cities reported a collective total of 2,888 **municipal and private renewable energy generation sites** – an increase of 628 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 42%. (Metric 14.6)
- All cities with **Regional Indicators Initiative** data (33) **show a decrease** in 2020 reported city-wide travel emissions; 17 show a decrease in waste emissions; and all 28 with data show a decrease in energy emissions (Metrics 17.1-17.3)

Apple Valley

Step 4	2020-2022
Step 5	2021-2022

- 100% of traffic lights are LED.
- 100% of Apple Valley's housing is within 1 mile of a bike route.
- Increased the net number of trees planted from 80/year to 120 in 2021.
- Improved Stormwater Assessment scores from 58 in 2019 to 63 in 2021; adaptation scores from 59 to 65.
- Increased the percent of lake, river, and wetland shoreline with at least 50' vegetation buffers from 45.7% in 2019 to 57% in 2021.
- Apple Valley has seen an increase in the number of citizen lake/river water quality monitors from 16 in 2019 to 25 in 2021.
- Apple Valley saw a reduction in community-wide *travel, energy, and overall* greenhouse gas emissions in 2021.

Bloomington

Step 4	2020-2022
Step 5	2021-2022

- Bloomington's average gasoline fleet MPG increased from 8.7 MPG in 2020 to 9.1 MPG in 2021; average diesel fleet MPG increased from 4.01 MPG in 2019 to 5.6 MPG in 2021.
- Increased the number of public electric vehicle charging stations from 32 in 2019 to 60 in 2021; the most of any Step 4/5 reporting city.
- 73% of the city is in open space.
- Increased the net number of trees planted from 350 in 2019 to 475 in 2020.
- Bloomington scored the highest Stormwater Assessment scores of any Step 4/5 reporting city with 77% and 93% (adaptation).
- On average, Bloomington residents produce only 0.36 pounds of trash/person/day, the least of any Step 4/5 city reporting that metric.
- Bloomington reported 685 renewable generation sites with 16,646 kW capacity across the city, the most of any Step 4/5 city reporting that metric.
- Bloomington saw a reduction in community-wide *travel, waste, energy, and overall* greenhouse gas emissions in 2021. Between 2021 and 2019, this is an overall reduction of 330,538 tonnes of CO₂e – the [equivalent](#) of removing 71,221 gasoline-powered passenger vehicles driven for one year or adding 89.8 wind turbines running for a year.
- The city passed two energy disclosure ordinances in September 2021 – Large Building Benchmarking and Time of Sale Energy Disclosure.

Burnsville

Step 4	2016-2017, 2019-2020
Step 5	2017, 2019-2020

- 100% of traffic signals are LEDs.
- Burnsville's average city gasoline fleet MPG was 16.5 MPG in 2019.

Coon Rapids

Step 4	2022
Step 5	2022

- 100% of Coon Rapid’s housing is within 1 mile of a bike route.
- 100% of the city’s 301 net trees planted in 2021 were considered ‘likely to thrive’.
- Decreased the energy used to treat and distribute drinking water – from 1368.3 MWh in 2019 to 932.6 MWh in 2021; 57047 Therms in 2019 to 45996.7 Therms in 2021.
- Increased the number of city-owned and private renewable energy generation sites from 13 (101.8 kW) in 2019 to 46 (1952.2 kW) in 2021 (more than 3x!).
- Coon Rapids saw a reduction in community-wide *travel* greenhouse gas emissions in 2021.

Duluth

Step 4	2020-2022
Step 5	2021-2022

- 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 27 in 2021.
- 100% of water bodies in the city show at least a *good* clarity reading.
- 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!).
- Duluth saw a reduction in community-wide *travel* and *waste* greenhouse gas emissions in 2021.
- Duluth adopted their first Climate Action Work Plan in 2021.

Eagan

Step 4	2017-2022
Step 5	2018-2022

- Increased the percent of street lights converted to LED from 0% in 2016 to 13.5% in 2021.
- 100% of traffic lights are LED.
- Increased the percent of LED lighting in city buildings and property from 28.7% in 2016 to 48.5% in 2021.
- Increased the number of city-owned/leased electric vehicles in city fleet from 4 in 2017 to 7 in 2021.
- 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 16 in 2021.
- 100% of the city’s 102 net new trees planted in 2021 were considered ‘likely to thrive’.
- Lemay Lake was removed from the impaired water bodies list after significant investment on water quality.
- Increased the number of city-owned and private renewable energy generation sites from 13 (899 kW) in 2016 to 141 (3880 kW) in 2021 (more than 4x!).
- Eagan saw a reduction in community-wide *travel*, *energy*, and *overall* greenhouse gas emissions in 2021.
- Eagan saw an addition 1.025 acres of pollinator/natural area development in 2021.

- 2 project in Eagan included recycling old building materials in 2021.
- In 2021, Eagan removed 93 loads of buckthorn.
- Eagan completed a biking and walking plan in 2020 to address safer walking and biking options in the city.

Eden Prairie

Step 4	2016-2022
Step 5	2017-2022

- 100% of street lights and traffic lights are LEDs.
- 100% of Eden Prairie’s housing is within ½ mile of a bike route.
- The number of public electric vehicle charging stations in the city has increased from 10 in 2018 to 18 in 2021.
- Added 70 new affordable housing units in 2021.
- 100% of the city’s 497 net new trees planted in 2021 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.
- Increased the number of city-owned and private renewable energy generation sites from 36 (377 kW) in 2017 to 61 (607 kW) in 2021.
- 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 4146.39 MWh in 2021. 22% of total city operations energy use is covered by generated and purchased renewable electricity.
- Eden Prairie saw a reduction in community-wide *travel, waste, energy, and overall* greenhouse gas emissions in 2021. Between 2021 and 2014, this is an overall reduction of 248,886 tonnes of CO₂e – the [equivalent](#) of removing 53,627 gasoline-powered passenger vehicles driven for one year or adding 67.7 wind turbines running for a year.

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	2017-2022
Step 5	2018-2022

- Reduced kBtu per square foot per year in city buildings from 86.01 in 2018 to 51.21 in 2021.
- 100% of street, traffic, and city building/property lights are LEDs.
- 100% of Falcon Heights’ housing is within 1 mile of a bike route.
- 100% of housing is located within 1 mile of bike routes and ¾ mile of transit routes.
- 80% of the city is in open space, the most of any Step 4/5 reporting city.
- Falcon Heights purchases 75.1 MWhr/yr of renewable energy for city operations, amounting to 81% of total city operations energy use that is generated or purchased renewable electricity (over 21.9% in 2017).
- Falcon Heights saw a reduction in community-wide *travel, energy, and overall* greenhouse gas emissions in 2021. Between 2021 and 2015, this is an overall reduction of 5,658 tonnes of CO₂e – the [equivalent](#) of removing 1,219 gasoline-powered passenger vehicles driven for one year or adding 1.5 wind turbines running for a year.

Fridley

Step 4	2022
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- 3 city-owned buildings are green-certified un the State of Minnesota SB 2030 Energy Standard.
- Fridley has 1 city owned/leased electric vehicle in the city fleet.
- 99.9% of Fridley’s housing is within 1 mile of a bike route.
- 99% of Fridley’s housing is within ½ mile (a 10 minute walk) of parkland.

Golden Valley

Step 4	2019-2022
Step 5	2021-2022

- 100% of outdoor City Hall campus lighting is LED.
- 15 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 city-owned and private renewable energy generation sites from 65 (839 kW) in 2017 to 147 (1421 kW) in 2020.
- Golden Valley saw a reduction in community-wide *travel*, waste, *energy*, and *overall* greenhouse gas emissions in 2021. Between 2021 and 2016, this is an overall reduction of 97,204 tonnes of CO2e – the [equivalent](#) of removing 20,944 gasoline-powered passenger vehicles driven for one year or adding 26.4 wind turbines running for a year.
- Golden Valley residents have a mixed recycling participation rate of 93%; organics recycling participation rate of 29%.
- In 2021, Golden Valley created an Energy Action Plan with Xcel Energy through the Partners in Energy program to improve energy efficiency, reduce emissions and the energy cost burden, and improve adoption and expansion of electric vehicle infrastructure.
- In January 2022, the city council declared a Climate Emergency.

Hopkins

Step 4	2022
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- Hopkin’s average gasoline fleet MPG was 18.51 MPG in 2020, the second highest of any Step 4/5 reporting city.
- 100% of Hopkin’s housing is within 1 mile of a bike route and the city scored a 70 Bike Score, making it very bikeable for most trips.
- Since 2017, Hopkins has lined or replaced 62,974 linear feet of sanitary sewer pipe, which is 25.1% of all the sanitary sewer pipe in the city and replaced or sealed 220 sanitary sewer manholes, which is 20.3% of all the sanitary sewer manholes in the city.
- Hopkins generated 428.34 MWhr/year and purchased 2843.84 MWhr/yr of renewable energy for city operations in 2021, amounting to 74.88% of total city operations energy use that is generated or purchased renewable electricity.
- Hopkins received the Bronze SolSmart designation in 2021.
- Hopkins began a residential curbside organics recycling program in January 2022.
- Hopkins hosted a Minnesota GreenCorps member in 2021/2022.
- Hopkins offered a first annual tree sale which prioritized residents living in areas of hottest land surface temperatures.

Hutchinson

Step 4	2016-2022
Step 5	2017-2022

- 100% of traffic lights are LED; LEDs in city buildings and property increased from 7.5% in 2018 to 25% in 2020.
- Hutchinson added 1 city-owned/leased electric vehicle to the city fleet in 2021.
- 100% of Hutchinson’s housing is within 1 mile of a bike route and the city scored a 77 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 5 in 2021.
- 100% of housing is located within ½ mile (10 min. walk) of parkland.
- 100% of the 349 trees planted in 2021 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 12 (1544 kW) in 2021.
- Hutchinson saw a reduction in community-wide *travel*, *waste*, *energy*, and *overall* greenhouse gas emissions in 2021. Between 2020 and 2014, this is an overall reduction of 70,698 tonnes of CO2e – the [equivalent](#) of removing 15,233 gasoline-powered passenger vehicles driven for one year or adding 19.2 wind turbines running for a year.

Inver Grove Heights

Step 4	2020-2022
Step 5	2021-2022

- 100% of traffic lights are LED.
- 99.9% of Inver Grove Height’s housing is within 1 mile of a bike route.
- Increased the number of city-owned and private renewable energy generation sites from 19 (146 kW) in 2019 to 45 (493 kW) in 2021.
- Hutchinson 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 67,951 tonnes of CO2e – the [equivalent](#) of removing 14,641 gasoline-powered passenger vehicles driven for one year or adding 18.5 wind turbines running for a year.

Isanti

Step 4	2018-2022
Step 5	2019-2022

- 100% of Isanti’s housing is within 1 mile of a bike route.
- 195 new trees were planted in the city in 2021.

Jordan

Step 4	2020-2022
Step 5	2021-2022

- Reduced kBtu per square foot per year in city buildings from 2806.44 in 2019 to 196.69 in 2021.
- 100% of Jordan’s housing is within 1 mile of a bike route.
- Increased public EV charging stations from 0 to 2 in 2021.
- 99.7% of Jordan’s housing is located within ½ mile of parkland.
- 120% of Jordan’s total city operations use renewable energy.
- Increased local food venues from 1 in 2019 to 3 in 2021.
- Organics and yard waste collection site had 170 participants in 2021.

La Crescent

Step 4	2022
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- 100% of La Crescent’s traffic signals are LED; 89% of streets lights and 72% of buildings 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 has 2 public EV charging stations.
- 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	2019-2022
Step 5	2021-2022

- 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.
- Reduced the percent of annual losses in Mahtomedi’s drinking water system from 13% in 2019 to 3% in 2021.
- Increased the number of city-owned and private renewable energy generation sites from 8 (19.72 kW) in 2018 to 30 (183.2 kW) in 2021.
- Mahtomedi purchases 605.63 MWhr/yr of renewable energy for city operations; 88% of city operation’s needs.
- Mahtomedi 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 67,951 tonnes of CO2e – the [equivalent](#) of removing 2,060 gasoline-powered passenger vehicles driven for one year or adding 2.6 wind turbines running for a year.
- Mahtomedi passed a Sustainability Plan in 2021.

Maplewood

Step 4	2016-2022
Step 5	2017-2022

- Reduced kBtu per square foot per year in city buildings from 131.96 in 2018 to 61.1 in 2021.
- 100% of traffic lights are LEDs; increased LED street lights from 67% in 2018 to 90% in 2021; increased city building LEDs from 33% in 2018 to 65% in 2021.
- Maplewood added a new green building (Maplewood North Fire Station, 30,000 square feet) in 2021 using the Maplewood Green Building Code.
- Increased the number of EVs in the city fleet to 8 in 2021.
- 100% of Maplewood residents are within 1 mile of a bicycle route, an increase over 62% in 2017.
- Increased the number of public electric vehicle charging stations from 10 in 2018 to 55 in 2021.
- 100% of Maplewood residents live within ¼ miles of transit routes.
- Improved Stormwater Assessment scores from 55 in 2019 to 67 in 2021; adaptation scores from 73 to 89.
- Increased the number of city-owned and private renewable energy generation sites from 32 (524 kW) in 2018 to 63 (868 kW) in 2021.
- Maplewood purchases 680 MWhr/yr of renewable energy for city operations; 58.7% of city operation’s needs.

- Maplewood 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 84,861 tonnes of CO₂e – the [equivalent](#) of removing 18,285 gasoline-powered passenger vehicles driven for one year or adding 23.1 wind turbines running for a year.
- Maplewood updated a Climate Adaptation Plan in 2022.

Marshall

Step 4	2022
Step 5	2022

- 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	2019-2022
Step 5	2020-2022

- Increased the amount of LED lighting in city buildings and property from 70% in 2019 to 90% in 2021.
- Minnetonka reported 4 additional green building certified buildings (LEED, Energy Star, or Green Globes), increasing 666661 square feet.
- 100% of housing is located within 1 mile of bicycle route.
- Total parkland increased to 2128 acres in 2021.
- 98.4% of housing is located within ¾ mile of transit routes.
- Business water usage decreased from 50.6 gallons/job/day in 2019 to 37 in 2021.
- Increased the number of city-owned and private renewable energy generation sites from 73 (661 kW) in 2019 to 99 (1009 kW) in 2021.
- 87% of total city operations energy use is generated or purchased by renewable electricity, up from 37% in 2018.
- Minnetonka 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 162,944 tonnes of CO₂e – the [equivalent](#) of removing 35,109 gasoline-powered passenger vehicles driven for one year or adding 44.3 wind turbines running for a year.
- 92% of residents rate the overall quality of the natural environment in Minnetonka as excellent or good, down from 98% in 2019.
- 35% of households participate in curbside recycling programs, up from 30% in 2018.

Moorhead

Step 4	2021-2022
Step 5	2022

- 100% of traffic lights are LEDs.

- 100% of housing is located within 1 mile of bicycle route.
- 90% of housing is located within ¼ mile of transit routes.
- 75.3% of total city acres is open space.
- 90% of housing is located within ½ mile (10 minute walk) of parkland.
- The city planted 859 net trees in 2021; 90% are considered “likely to thrive.”
- Improved Stormwater Assessment scores from 34 in 2020 to 49 in 2021; adaptation scores from 24 to 60.
- 100% of total city operations energy use is generated or purchased by renewable electricity, up from 55% in 2020.
- Moorhead 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 58,263 tonnes of CO2e – the [equivalent](#) of removing 12,554 gasoline-powered passenger vehicles driven for one year or adding 15.8 wind turbines running for a year.
- Moorhead hired a Sustainability Coordinator!

Morris

Step 4	2021
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- 100% of street, traffic, and city building/property lights are LEDs.
- Morris’s average city gasoline fleet MPG is 14.6 MPG; diesel is 8.33 MPG.
- 88% of city population commutes fewer than 20 minutes; the highest amount of any Step 4/5 reporting city.
- The city planted 150 trees in 2020.
- Morris has a ratio of inflow and infiltration volume to total volume entering the wastewater collection system of 0.02.

New Brighton

Step 4	2019-2022
Step 5	2020-2022

- 100% of street, traffic, and city buildings/property lights are LEDs. All city street lights were replaced in 2021.
- 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 ½ mile or 10-minute walk of parkland.
- Annual production on city-owned renewable energy generation sites supplied 4.9% (458.02 MWh) of the all city operations energy needs.
- New Brighton 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 47,033 tonnes of CO2e – the [equivalent](#) of removing 10,134 gasoline-powered passenger vehicles driven for one year or adding 12.8 wind turbines running for a year.

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	2020-2022
Step 5	2021-2022

- 100% of traffic lights are LEDs.
- Northfield installed 3.87 miles of new/reconstructed sidewalks & trails in 2020.
- 100% of housing is located within 1 mile of bicycle route.
- 1 new EV charging station was added in a city parking lot in 2021 for a total of 6 public stations.
- 99.9% of Northfield's housing is located within ½ mile or 10-minute walk of parkland.
- Northfield planted 162 net new trees in 2021; 95% considered 'likely to thrive.'
- 100% of water bodies show at least a 'good' water clarity rating, up from 75% in 2020.
- Increased solar garden purchases from 1675.52 MWhr/year in 2019 to 1984.92 MWhr/year in 2021.
- Northfield 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 39,503 tonnes of CO₂e – the [equivalent](#) of removing 8,512 gasoline-powered passenger vehicles driven for one year or adding 10.7 wind turbines running for a year.

North Saint Paul

Step 4	2020
Step 5	2020

- 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 bicycle route.
- 98% of North Saint Paul's housing is located within ½ mile or 10-minute walk of parkland.

Oakdale

Step 4	2017-2022
Step 5	2018-2022

- 100% of traffic lights are LEDs.
- 1 building (The Water of Oakdale) received ENERGY STAR certification in 2021.
- 100% of housing is located within 1 mile of bicycle route.
- 90% of Oakdale’s housing is located within ½ mile or 10-minute walk of parkland.
- Business water usage decreased from 29.01 gallons/job/day in 2016 to 17.3 in 2020.
- Oakdale purchases 3905.69 MWhr/yr of renewable energy for city operations in 2020, up from 0 in 2018 and covering 78.13% of total city operations electricity needs.
- Oakdale 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 57,341 tonnes of CO2e – the [equivalent](#) of removing 12,355 gasoline-powered passenger vehicles driven for one year or adding 15.6 wind turbines running for a year.

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	2020-2022
Step 5	2021-2022

- 100% of street lights, traffic lights, and city buildings and properties are LEDs.
- The average MPG for the city’s gasoline fleet is 19.3 MPG, the highest MPG of any Step 4/5 reporting city; Roseville has 1 city-owned/leased EV in the fleet.
- 100% of Roseville’s housing is within 1 mile of a bike route.
- 100% of housing is located within ¾ mile of transit routes.
- 65.45% of new housing added was affordable housing.
- Increased the number of city owned and private renewable energy generation sites from 86 (736 kW) in 2019 to 118 (1215 kW) in 2021.
- 58% of total city operations energy use that is generated or purchased renewable electricity, up from 46% in 2019.
- Roseville 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 88,900 tonnes of CO2e – the [equivalent](#) of removing 19,155 gasoline-powered passenger vehicles driven for one year or adding 24.2 wind turbines running for a year.
- Roseville adopted an Energy Action Plan in 2021.
- Roseville won the Best of B3 – Local Government Award in 2021.

Saint Anthony Village

Step 4	2016-2022
Step 5	2017-2022

- 100% of street and traffic lights are LEDs.
- 100% of housing is located within ¾ mile of transit routes.
- 100% of Saint Anthony Village’s housing is located within ½ mile or 10-minute walk of parkland.
- Increased Stormwater Assessment Scores from 53 (28 adaptation) in 2019 to 63 (71 adaptation).
- Increased the number of city owned and private renewable energy generation sites from 15 (138.15 kW) in 2018 to 33 (345 kW) in 2021.

- Saint Anthony Village purchased 589.9 MWhr/yr of renewable energy for city operations, up from 469.2 in 2019; accounting for 37% of total city operations energy needs.
- Saint Anthony Village 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 13,003 tonnes of CO2e – the [equivalent](#) of removing 2,802 gasoline-powered passenger vehicles driven for one year or adding 3.5 wind turbines running for a year.

Saint Louis Park

Step 4	2020-2022
Step 5	2021-2022

- Reduced kBtu per square foot per year in city buildings from 118.87 in 2019 to 95.11 in 2021.
- 90% of city traffic lights are LED; increased city facility LED lighting from 55% in 2019 to 73% in 2021.
- 87.46% (712748 square feet) of new construction was built in the city in 2021 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 5 in 2021.
- Increased the number of public electric vehicle charging stations from 8 in 2019 to 32 in 2021.
- 100% of Saint Louis Park’s housing is within 1 mile of a bike route.
- Increased the percent of housing within ½ mile (a 10 minute walk) of parkland from 91% in 2019 to 96% in 2021.
- St. Louis Park scored the highest Stormwater Assessment scores of any Step 4/5 reporting city with 77% (50% adaptation); increased scores from 72 (68 adaptation) in 2019.
- Residential gallons of wastewater produced per person/day decreased from 59.92 in 2020 to 49.56 in 2021; Business gallons of wastewater produced per job/day decreased from 18.14 in 2020 to 16.9 in 2021.
- 49% of residential solid waste is recycled; up from 28% in 2020.
- 100% of total city operations energy use that is generated or purchased renewable electricity.
- Saint Louis Park 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 118,105 tonnes of CO2e – the [equivalent](#) of removing 25,448 gasoline-powered passenger vehicles driven for one year or adding 32.1 wind turbines running for a year.
- Increased the number of electric vehicle registrations in the city from 189 in 2020 to 276 in 2021.

Savage

Step 4	2022
Step 5	2022

- 100% of Savage’s housing is within 1 mile of a bike route.
- 4 EV charging stations were added to City Hall in 2021, for a total of 14 public stations located in the city.

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
Step 5	2019-2020, 2022

- 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.
- 50% of all new housing were affordable housing units in 2021.
- 95% of Shoreview’s housing is located within ½ mile or 10-minute walk of parkland.
- 50.3% of the city has tree canopy coverage, the highest of any Step 4/5 reporting city.
- Shoreview planted 206 net new trees in 2021, more than double from previous reporting years.
- Owasso Lake was delisted from the Impaired Waters map in 2020.
- 85% of Shoreview residential solid waste is recycled, the highest of any Step 4/5 reporting city.
- Increased the number of city owned and private renewable energy generation sites from 32 (352 kW) in 2019 by double in 2021 at 64 (680 kW) in 2021.
- 100% of total city operations energy use that is generated or purchased renewable electricity.
- Increased the number of local food venues from 1 to 3 in 2021; apple orchard, weekly farmers market, locally sourced restaurant.
- Shoreview 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 42,108 tonnes of CO2e – the [equivalent](#) of removing 9,073 gasoline-powered passenger vehicles driven for one year or adding 11.4 wind turbines running for a year.

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	2019-2022
Step 5	2019-2022

- 100% of city street and traffic lights are LEDs.
- Woodbury leased or owns a total of 14 electric vehicles on their city fleet (2 Chevy Volts, 6 Mitsubishi Outlanders, 6 plug-in EVs for parks maintenance); the highest of any Step 4/5 reporting city.
- Woodbury added 11.41 miles of new or reconstructed sidewalks & trails in 2021, the highest of any Step 4/5 reporting city that year.
- 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 31 in 2021.
- Increased the number of acres that are parkland from 3386.2 in 2017 to 3480.74 in 2020.
- 100% of residents are located within a ½ mile or 10 minute walk of a park.
- Increased the number of net new trees planted from 449 in 2020 to 712 in 2021.
- Improved Stormwater Assessment scores from 55 in 2019 to 62 in 2021; adaptation scores from 54 to 68.
- 100% of lake shoreland has at least a 50' vegetation buffer.
- 100% of water bodies in the city show at least a 'good' water clarity rating.
- Increased the number of city owned and private renewable energy generation sites from 63 (1045 kW) in 2017 to 138 (2389 kW) in 2021 – adding 826 kW in 2021 alone.
- 100% of total city operations energy use that is generated or purchased renewable electricity (33.37 MW generated; 13.4 MW purchased).
- Woodbury 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 113,364 tonnes of CO₂e – the [equivalent](#) of removing 24,426 gasoline-powered passenger vehicles driven for one year or adding 30.8 wind turbines running for a year.