

2019 GreenStep Cities Step 4&5 Reporting - Metric Highlights

Summary

- Percent LED streetlights owned by the city and utility have increased to an average of 56% in 2019 from 14% in 2016.
- The number of private green-certified buildings has increased to 229 in 2019; just 75 were reported in 2016.
- The number of public electric vehicle charging stations have more than doubled over 2018 metrics to 130 in 2019.
- Daily residential gallons of water used per person/per day averaged 59 gallons – a reduction of 1 gallon per person/per day.
- Just four cities were able to reduce their annual city operations gallons of water used in the summer months by 3,562,279 gallons.
- 2019 Step 4&5 cities reported a collective total of 587 municipal and private renewable energy generation sites – an increase of 237 sites compared to the previous year.
- The average percent of total city energy use that is met by generated and/or purchased renewable energy increased by 4.3% between 2019 and 2018.

Eagan (Step 4 and 5)

- Eagan's average gasoline fleet MPG increased from 7.6 MPG in 2017 to 8.38 MPG in 2019.
- Eagan's annual VMT by diesel fleet decreased from 196,328 in 2017 to 153,736 in 2019.
- Increased its percentage of LED street lights from 0% in 2017 to 1.5% in 2018 and 3% in 2019.
- The number of electric vehicle charging stations in the city has increased from 2 in 2017 to 7 in 2019.
- Both residential and commercial gallons of water used and wastewater produced decreased by about 2 gallons per day compared to 2018.
- Increased the number of city-owned and private renewable energy generation sites from 13 (899 kW) in 2017 to 19 (2,044 kW) in 2019.
- Eagan now purchases 6 MWhr/yr of renewable energy for city operations.
- Eagan was able to reduce greenhouse gas emissions from waste (12,211 tonnes CO₂e in 2017 to 12,159 in 2019) and (non-transportation) energy (831,895 tonnes CO₂e in 2017 to 791,249 in 2019) over previous years. This is the only Step 4 city that was able to reduce emissions in waste and energy in 2019.

Eden Prairie (Step 4 and 5)

- Increased the percentage of LED streetlights from 84% in 2017 to 100% in 2019.
- Reduced the electric consumption of streetlights and traffic signals from 3,448,148 kWh/year in 2018 to 3,108,266 kWh/year in 2019.
- Eden Prairie added 6 private green certified public buildings between 2018 and 2019 for a total of 79 buildings; an increase over 60 reported in 2016.
- Increased the number of city-owned/leased hybrid vehicles in the city fleet from 6 in 2018 to 8 in 2019.

- Increased the number of new affordable housing units by 13.5% of all new 2018 housing units.
- Planted 351 net new trees in 2018.

Elk River (Step 4 and 5)

- Elk River has reported metrics since 2016.
- Increased LED street lights that are owned by the city and utility from 23% to 30%.
- Increased the average MPG for the city diesel fleet from 0.93 to 1.68.
- Residential water usage decreased from 53.3 gallons/person/day to 39.83.
- City summer water usage decreased from 14,465,000 gallons to 13,741,000 gallons.

Falcon Heights (Step 4 and 5)

- Decreased the ratio of actual energy used to predicted energy used in city buildings from 1.71 to 0.67 in 2019.
- Increased the average miles per gallon for the city's diesel fleet from 3.95 MPG in 2018 to 6.84 MPG in 2019.
- Increased the city's walk score from 60 in 2018 to 63 in 2019.
- Falcon Heights has seen a reduction of the city population vehicle miles traveled per person/per day from 17.71 in 2018 to 17.1 in 2019.
- City employees commuting by single occupancy vehicles reported a reduction from 23 vehicles miles traveled per person/per day in 2018 to 13.54 miles in 2019.
- Falcon Heights now purchases 37.29 MWhr/yr of renewable energy for city operations, amounting to 49.17% of total city operations energy use that is generated or purchased renewable electricity (over 21.9% in 2018).

Golden Valley (Step 4)

- This is the first year Golden Valley has reported.
- 100% of outdoor City Hall campus lighting is LED.
- The average MPG for the city gasoline fleet is 12.1 and 6.1 for the diesel city fleet.
- The city constructed 1.32 miles of new trails or sidewalks.
- 100% of housing units are located within ¼ mile of public transit options.
- 6.23% of land is within a commercial/mixed zoning district.
- 70.8% of city land is open space.

Hutchinson (Step 4 and 5)

- Reduced the number of vehicles miles traveled for the city's gasoline and diesel fleet by 53,195 miles in 2019 compared with 2018.
- Increased the city's walk score from 45 in 2018 to 54 in 2019.
- Reduced the city operations gallons of water used in the summer by 140,000 gallons and in the winter by 104,000 gallons compared to 2018.
- Saw a reduction in annual electricity used to treat wastewater from 3,694.63 MWh/year in 2018 to 3,555.86 in 2019 and a reduction in annual natural gas used to treat wastewater from 64,867.87 Therms/year in 2018 to 64,719.62 in 2019.
- Increased the percent of residential solid waste recycled from 40.59% in 2018 to 42.44% in 2019.

Mahtomedi (Step 4)

- 100% of street and traffic lights are LED.
- 100% of housing is located within 1 mile of a bicycle route.
- Mahtomedi's population has an average of 10.6 vehicle miles traveled per person/day.
- 67.6% of the city has tree canopy coverage.
- Mahtomedi purchases 661.8 MWhr/yr of renewable energy for city operations.

Maplewood (Step 4 and 5)

- 100% of Maplewood residents are within 1 mile of a bicycle route, an increase over 62% in 2018.
- Residential solid waste generated decreased from 1.62 pounds/resident/day in 2018 to 1.56 pounds in 2019.
- Commercial solid waste generated decreased from 9.53 pounds/job/day in 2018 to 4.97 pounds in 2019.
- Increased percent of residential solid waste recycled from 24% in 2016 to 29% in 2019.
- Increased the number of city-owned and private renewable energy generation sites from 7 (81 kW) in 2018 to 32 (524 kW) in 2019.
- Increased participation in the number of non-city entities participating in renewable energy purchasing or green power program from in 466 2017 to 587 in 2019.

Minnetonka (Step 4)

- 73% of street lights, 45% of traffic lights, and 70% of city buildings and property are LEDs.
- 100% of housing is located within 1 mile of bicycle route.
- 98.4% of housing is located within ¼ mile of transit routes.
- 37% of total city operations energy use is generated or purchased by renewable electricity.
- 96% of residents rate the overall quality of the natural environment in Minnetonka as excellent or good.

New Brighton (Step 4)

- 49% of street lights, 100% of traffic lights, and 100% of city buildings and property are LEDs.
- 95% of housing is located within 1 mile of bicycle route.

Oakdale (Step 4 and 5)

- Residential water usage decreased by 1 gallon/person/day to 57.4.
- Increased the number of city-owned and private renewable energy generation sites from 15 (299.07 kW) in 2018 to 19 (345.71 kW) in 2019.
- Oakdale now purchases 668.2 MWhr/yr of renewable energy for city operations, amounting to 75% of total city operations energy use that is generated or purchased renewable electricity.

Red Wing (Step 4 and 5)

- Red Wing spent \$0.17/SF/Year on energy in city buildings in 2019 – \$0.89 less than in 2017 and the lowest of any Step 4 city.
- Red Wing now has a bike sharing service available.
- Reduced greenhouse gas emissions from travel from 61,456 in 2017 to 61,036 tons in 2019.

St. Anthony (Step 4 and 5)

- Increased street lights that are now LED from 25% in 2018 to 90% in 2019.
- Increased city facility LED lighting from 21% in 2017 to 60% in 2019.
- Decreased
- The percentage of commuters using SOV's is down by 2.9%, ride sharing/carpooling is up by 3.3%, and using transit is up 0.5%.
- Increased the number of city-owned and private renewable energy generation sites from 9 (90.97 kW) in 2018 to 15 (138.15 kW) in 2019.

St. Paul (Step 4 and 5)

- St. Paul now has 100% LED traffic signals.
- Increased the number of public EV charging stations from 38 in 2018 to 47 in 2019.
- Increased the amount of open space by 1% in 2019.
- Increased the number of city-owned and private renewable energy generation sites from 192 (91646 kW) in 2018 to 279 (2373 kW) in 2019.
- In St. Paul, 7,190 private entities participate in renewable energy purchasing/green power programs – up 1,307 from 2017.
- Increased the percent of total city operations using renewable energy from 1% to 16% in 2019.

Isanti (Step 4 and 5)

- Increased LED street lights from 36% in 2018 to 44% in 2019.
- Isanti now has structured transit routes that serve the city on weekdays.
- 86.4% of new housing units added in 2018 were affordable.
- 100% of Isanti's housing is within ½ mile of a bike route.
- 93% of Isanti's housing is located within ½ mile of parkland.

Shoreview (Step 4 and 5)

- Increased LED street lights from 35% in 2018 to 45% in 2019.
- 100% of Shoreview's housing is within ½ mile of a bike route.
- The percentage of city population commuting 20 or fewer miles decreased from 64.9% in 2018 to 33.1% in 2019.
- The percentage of city employees commuting 20 or fewer miles decreased from 48% in 2018 to 33.39% in 2019.
- Residential water usage decreased from 73.63 gallons/person/day in 2018 to 64.39 in 2019.
- Reduced the city operations gallons of water used in the summer by 5,910,000 gallons and in the winter by 400,000 gallons compared to 2018.
- Reduced the annual losses in the drinking water system from 1.1% in 2018 to 0.5% in 2019.
- Increased the number of city-owned and private renewable energy generation sites from 22 (181 kW) in 2018 to 32 (352 kW) in 2019.
- 100% of total city operations use renewable energy.

Woodbury (Step 4 and 5)

- 100% of street lights, 100% of traffic lights, and 50% of city buildings and properties are LEDs.

- Woodbury has 11 green-certified buildings.
- Lease or own 10 electric vehicles in the city fleet.
- 100% of housing is located within 1 mile of bicycle route.
- Increased the number of public electric vehicle charging stations from 8 in 2018 to 11 in 2019.
- 76% of city employees commute 20 or miles or less.
- Decreased residents commuting by single occupancy vehicles from 93.2% in 2018 to 82.4% in 2019.
- 100% of residents are located within a ½ mile or 10 minute walk of a park.
- Increased the number of city owned and private renewable energy generation sites from 63 (1045 kW) in 2018 to 85 (1302 kW) in 2019.
- Increased the number of non-city entities participating in renewable energy purchasing/green power programs from 993 in 2018 to 1103 in 2019.