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**Assessment Date:** 2/12/2024

**Assessment completed by:** Kristin Mroz

# Assessment 2024

City of Red Wing: Category A City

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## About the Program

The GreenStep Cities program is a five-step program for cities and tribal nations to work towards sustainability. There are 29 best practices which each provide required and recommended actions. Recommended actions are placed into the following categories: buildings and lighting, land use, transportation, environmental management, and resilient economic and community development. Each action submitted by a city receives a ranking based on a three-star system. 

## Information and GreenStep StatusGraphical user interface, text, application Description automatically generated

**Joined:** February 2011

**Status:** Step 5

**Total Best Practices (BPs) Complete**: 21

**Total BP Actions Complete:** 74

[Red Wing’s GreenStep Page](https://greenstep.pca.state.mn.us/city-detail/12386)

|  |  |
| --- | --- |
| **Step 4** | 2017-2022 |
| **Step 5** | 2018-2022 |



**Current Distribution of BP Categories:****Star-Rating of Actions:**

The star-rating system represents the rating of the city’s action, where Not Rated (NR) is an uncompleted action, 1-star represents basic completion, 2-star is full completion, and 3-star is the maximum completion of the given action.

## Notable Actions

See all city-reported actions at <https://greenstep.pca.state.mn.us/city-detail/12386>

* **110 energy saving projects** since 1987 has resulted in savings of over $400,000, 1.4 million kWh of electricity, and 165,000 therms of natural gas.
* **Green Wing Action Plan** adopted in 2015 through Partners in Energy set goals to increase energy efficiency adoption by residential households and midsized-commercial businesses by 10%.
* **Historic Preservation Ordinance** was one of the first in Minnesota.
* **Adaptive reuse projects** include the St. James Hotel, Riverfront Center, Sheldon Theatre, Pottery Factories, Red Wing Depots, Central High School, and many others.
* **Conservation easement** granted over 200 acres in Red Wing Riverfront in 2011.
* **Certified Tree City USA** since 1995.
* **Industrial pretreatment program** engages business to lower toxicity or volume of waste discharges to POTW.
* **Sustainability Commission** (8 citizens) works with citizens, government, businesses and local community organizations.
* **Green Wing Energy Challenge** designed to save local Red Wing business owners energy and money by providing low-cost resources for general assistance, building assessments, and financing.
* **6 solar panels installed in city buildings** between 2012-14, estimated to produce approximately $2,250,000.00 of electricity over 40 years. The 6 panels produce 240,000 kWh annually, approximately 3.6% of the City’s operational electrical consumption.
* **Solar Garden Subscription** provides city with 5,737,500 kWh annually, reaching around 100% of the City’s electrical use.

## Notable Metrics

See more on the [Step 4 & 5 Metrics Dashboard](https://public.tableau.com/app/profile/mpca.data.services/viz/GreenStepCitiesMetrics-2015-2020/Overview/)

* 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](https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator) 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.

## Step Advancement Guidelines

### Guidelines for Step 2:

Learn more about Step 2

As a Category A city, to be recognized as a Step 2 GreenStep City, **ANY 8 Best Practices** must be reported.

**Any 8 Best Practices**

### Guidelines for Step 3:

Learn more about Step 3

As a Category A city, to be recognized as a Step 3 GreenStep City, the following must be reported, at minimum:   
  
 **Any 16 Best Practices**

**Public Buildings:**  [1.1](https://greenstep.pca.state.mn.us/bp-action-detail/81743),  [1.2](https://greenstep.pca.state.mn.us/bp-action-detail/81744), and  any one additional action from [1.3-1.7](https://greenstep.pca.state.mn.us/bp-detail/81714)

**Buildings & Lighting:**  any one additional Buildings & Lighting BP (2-5)

**Comprehensive, Climate & Energy Plans:**  [6.1](https://greenstep.pca.state.mn.us/bp-action-detail/81775) and  [6.2](https://greenstep.pca.state.mn.us/bp-action-detail/81776)

**Land Use:**  any one additional Land Use BP (7-10)

**Living & Complete Streets:** [11.1](https://greenstep.pca.state.mn.us/bp-action-detail/81802) and any two additional actions from [11.1-11.6](https://greenstep.pca.state.mn.us/bp-detail/81723)

**Mobility Options:**  any two actions from [12.1-12.6](https://greenstep.pca.state.mn.us/bp-detail/81724)

**Sustainable Purchasing:** [15.1](https://greenstep.pca.state.mn.us/bp-action-detail/81825) and  any one additional action from [15.2-15.8](https://greenstep.pca.state.mn.us/bp-detail/81725)

**Community Forests & Soils:**  any two actions from [16.1-16.7](https://greenstep.pca.state.mn.us/bp-detail/81726)

**Stormwater Management:**  any one action from [17.1-17.6](https://greenstep.pca.state.mn.us/bp-detail/81727)

**Environmental Management:**  any one additional Environmental Management BP (18-23)

**Benchmarks & Community Engagement:** [24.1](https://greenstep.pca.state.mn.us/bp-action-detail/81880) and [24.2](https://greenstep.pca.state.mn.us/bp-action-detail/81881)

**Green Business Development:** any two actions from[25.1-25.7](https://greenstep.pca.state.mn.us/bp-detail/81735)

**Climate Adaptation & Community Resilience:** [29.1](https://greenstep.pca.state.mn.us/bp-action-detail/81912) at a 2- or 3-star rating

### Guidelines for Steps 4 and 5:

Learn more about Steps 4 & 5

Steps 4 and 5 focus on metrics – what are the outcomes of all of the actions that the city has implemented over time?

* **Step 4:** Measure and report a minimum number of core and optional metrics for the previous calendar year or the most recent available data.
  + Category A communities: In addition to CORE metrics, include 5 additional metrics of choice.
* **Step 5:** Demonstrate improvement three eligible metrics measured in Step 4, from one year to the next.
  + Category A, B, and C communities: Improve upon 3 eligible metric elements.

## Best Practice Actions: Detailed Descriptions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Buildings and Lighting [**BP 1**: Efficient Existing Public Buildings](#_heading=h.26in1rg) [**BP 2**: Efficient Existing Private Buildings](#_heading=h.lnxbz9) [**BP 3**: New Green Buildings](#_heading=h.35nkun2) [**BP 4**: Efficient Outdoor Lighting and Signals](#_heading=h.1ksv4uv) [**BP 5**: Building Redevelopment](#_heading=h.44sinio) | | | | |
| Best Practice 1: Efficient Existing Public Buildings BP 1 Completed? YES Total actions completed: 5  **Actions to Complete BP 1**: ~~1.1, 1.2, and any one additional action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [1.1](https://greenstep.pca.state.mn.us/bp-action-detail/81743) | ★★ | Enter/update building information and monthly usage data into the [MN B3 Benchmarking database](https://mn.b3benchmarking.com/Report?r=1). | 6+ years of data entered for buildings over 5000 sf | 7/11/2012 |
| [1.2](https://greenstep.pca.state.mn.us/bp-action-detail/81744) | ★★ | Make no/low cost indoor lighting and operational changes in city-owned/school buildings. | 110 energy savings projects and $365k savings since 1987 | 1/30/2013 |
| [1.3](https://greenstep.pca.state.mn.us/bp-action-detail/81745) | ★★ | Invest in larger energy efficiency projects. | Lighting retrofit at City Hall, Public Works, and Library in 1980s | 1/30/2013 |
| [1.4](https://greenstep.pca.state.mn.us/bp-action-detail/81746) | Choose an item. | Implement IT efforts and city employee engagement to reduce plug loads, building energy use and workflow efficiency. |  |  |
| [1.5](https://greenstep.pca.state.mn.us/bp-action-detail/81747) | ★ | Meet the [SB 2030 energy standard](https://www.b3mn.org/2030energystandard/) or qualify under a green building or energy framework. | 1907 City Hall brought up to todays energy efficiency standards with new system | 1/30/2013 |
| [1.6](https://greenstep.pca.state.mn.us/bp-action-detail/81748) | ★ | Improve operations and maintenance of city-owned/school buildings and leased buildings. | Building audits in 1980s; Red Wing Community Energy Program invested savings | 1/30/2013 |
| [1.7](https://greenstep.pca.state.mn.us/bp-action-detail/81749) | Choose an item. | Install one or more of the following:  -A ground-source, closed loop geothermal system.  -A district energy/microgrid system.  -A rainwater harvesting system |  |  |
| Best Practice 2: Efficient Existing Private Buildings BP 2 Completed? NO Total actions completed: 1  **Actions to Complete BP 2:** Any ~~two~~ one action~~s~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [2.1](https://greenstep.pca.state.mn.us/bp-action-detail/81750) | ★★★ | Create or participate in a program to promote energy and water efficiency. | Green Wing Action Plan adopted 2015; Home Energy Audit discounts through a utility billing flier; business outreach campaign; competition between community congregations | 4/27/2017 |
| [2.2](https://greenstep.pca.state.mn.us/bp-action-detail/81751) | Choose an item. | Integrate green building and EV charging best practices information and assistance into the building permit process. |  |  |
| [2.3](https://greenstep.pca.state.mn.us/bp-action-detail/81752) | Choose an item. | Implement an energy rating/disclosure policy for residential/commercial buildings. |  |  |
| [2.4](https://greenstep.pca.state.mn.us/bp-action-detail/81753) | Choose an item. | Describe energy/water efficiency outcomes and other green building practices at local businesses and not-for-profit organizations. |  |  |
| [2.5](https://greenstep.pca.state.mn.us/bp-action-detail/81754) | Choose an item. | Create one of the following:  -Water-wise landscaping ordinance/ guidance  -WaterSense purchasing program  -Guidance on rainwater harvesting and home water softener use |  |  |
| [2.6](https://greenstep.pca.state.mn.us/bp-action-detail/81755) | Choose an item. | Provide a financial or other incentive to private parties who add energy/sustainability improvements, meet the [SB 2030 energy standard](https://www.b3mn.org/2030energystandard/), or renovate using a green building or energy framework. |  |  |
| [2.7](https://greenstep.pca.state.mn.us/bp-action-detail/81756) | Choose an item. | Customize a model sustainable building renovation policy that includes the SB 2030 energy standard and adopt the language to govern private renovation projects. |  |  |
| Best Practice 3: New Green Buildings BP 3 Completed? NO Total actions completed: 0  **Actions to Complete BP 3:** Any one action from 3.1-3.2 and any one action from 3.3-3.5 | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [3.1](https://greenstep.pca.state.mn.us/bp-action-detail/81757) | Choose an item. | Require by city policy that new city-owned buildings be built using the [SB 2030 energy standard](https://www.b3mn.org/2030energystandard/) and/or a green building framework. |  |  |
| [3.2](https://greenstep.pca.state.mn.us/bp-action-detail/81758) | Choose an item. | Work with the local school district to ensure that future new schools are built using the SB 2030 energy standard and/or a green building framework. |  |  |
| [3.3](https://greenstep.pca.state.mn.us/bp-action-detail/81759) | Choose an item. | Adopt a sustainable building policy for private buildings; include the [SB 2030 energy standard](https://www.b3mn.org/2030energystandard/); adopt language governing new development projects. |  |  |
| [3.4](https://greenstep.pca.state.mn.us/bp-action-detail/81760) | Choose an item. | Provide a financial or other incentive to private parties who build new buildings that utilize the [SB 2030 energy standard](https://www.b3mn.org/2030energystandard/) and/or a green building framework. |  |  |
| [3.5](https://greenstep.pca.state.mn.us/bp-action-detail/81761) | Choose an item. | Adopt environmentally preferable covenant guidelines for new common interest communities addressing sustainability. |  |  |
| Best Practice 4: Efficient Outdoor Lighting and Signals BP 4 Completed? YES Total actions completed: 4  **Actions to Complete BP 4:** ~~Any two actions (including one from 4.5-4.8)~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [4.1](https://greenstep.pca.state.mn.us/bp-action-detail/81762) | Choose an item. | Require energy efficient, Dark-Sky compliant new or replacement outdoor lighting fixtures on city-owned/private buildings/facilities. |  |  |
| [4.2](https://greenstep.pca.state.mn.us/bp-action-detail/81763) | Choose an item. | Purchase LEDs for all future street lighting and traffic signals. |  |  |
| [4.3](https://greenstep.pca.state.mn.us/bp-action-detail/81764) | Choose an item. | Replace city street lighting with Dark Sky-compliant LEDs, modifying any city franchise/utility agreement and adding smart grid attributes. |  |  |
| [4.4](https://greenstep.pca.state.mn.us/bp-action-detail/81765) | ★ | Coordinate traffic signals; optimize signal timing to minimize car idling at intersections yet maintain safe and publicly acceptable vehicle speeds. | Downtown intersections synchronized in 2012 | 1/30/2013 |
| [4.5](https://greenstep.pca.state.mn.us/bp-action-detail/81766) | ★★ | Use LED/solar-powered lighting for a flashing sign or in a street/parking lot/park project. | Solar powered Barn Bluff flag pole and airport runway lighting | 1/30/2013 |
| [4.6](https://greenstep.pca.state.mn.us/bp-action-detail/81767) | Choose an item. | Relamp/improve exterior building lighting for city-owned buildings/ facilities with energy efficient, Dark-Sky compliant lighting. |  |  |
| [4.7](https://greenstep.pca.state.mn.us/bp-action-detail/81768) | ★ | Replace city-owned parking lot/ramp lighting with Dark-Sky compliant, energy efficient, automatic dimming lighting technologies. | As lightbulbs fail, they are updated to LED | 1/30/2013 |
| [4.8](https://greenstep.pca.state.mn.us/bp-action-detail/81769) | ★★★ | Replace city's existing traffic signal indications with LEDs. | All city traffic lights converted to LED | 1/30/2013 |
| Best Practice 5: Building Redevelopment BP 5 Completed? YES Total actions completed: 3  **Actions to Complete BP 5:** ~~Any one action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [5.1](https://greenstep.pca.state.mn.us/bp-action-detail/81770) | ★★ | Adopt an historic preservation ordinance/ regulations and encourage adaptive reuse. | Historic preservation ordinance; Heritage Preservation Commission; adaptive reuse include St. James Hotel, Riverfront Center, Sheldon Theatre, Pottery Factories, Red Wing Depots, Central HS, etc. | 1/30/2013 |
| [5.2](https://greenstep.pca.state.mn.us/bp-action-detail/81771) | ★★★ | Implement the Minnesota Main Street model for commercial revitalization. | Main Street program initiated in 2010 | 1/30/2013 |
| [5.3](https://greenstep.pca.state.mn.us/bp-action-detail/81772) | Choose an item. | Plan for reuse of large-format retail buildings, or work with a local school, church or commercial building to either add-on space or repurpose space into new uses. |  |  |
| [5.4](https://greenstep.pca.state.mn.us/bp-action-detail/81773) | Choose an item. | Create/modify a green residential remodeling assistance/financing program to assist homeowners in adding space or sustainable features. |  |  |
| [5.5](https://greenstep.pca.state.mn.us/bp-action-detail/81774) | ★ | Adopt development/design standards and programs that facilitate infill, redevelopment, and adaptable buildings. | Commercial Design Standards encourage infill and redevelopment along Hwy 61 | 1/30/2013 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Land Use [**BP 6**: Comprehensive, Climate and Energy Plans](#_heading=h.3j2qqm3) [**BP 7**: Resilient City Growth](#_heading=h.1y810tw) [**BP 8**: Mixed Uses](#_heading=h.4i7ojhp) [**BP 9**: Efficient Highway and Auto-Oriented Development](#_heading=h.2xcytpi) [**BP 10**: Design for Natural Resource Conservation](#_heading=h.1ci93xb) | | | | |
| Best Practice 6: Comprehensive, Climate and Energy Plans BP 6 Completed? YES Total actions completed: 4  **Actions to Complete BP 6:** ~~6.1 and 6.2~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [6.1](https://greenstep.pca.state.mn.us/bp-action-detail/81775) | ★ | Adopt a comprehensive plan or a future land use plan adopted by the county or a regional entity. | Comprehensive Plan adopted 2007 | 1/30/2013 |
| [6.2](https://greenstep.pca.state.mn.us/bp-action-detail/81776) | ★ | Demonstrate that regulatory ordinances comply with the comprehensive plan. | Zoning Code references consistency in Comp Plan | 1/30/2013 |
| [6.3](https://greenstep.pca.state.mn.us/bp-action-detail/81777) | Choose an item. | Include requirements in comprehensive and/or other plans for intergovernmental coordination. |  |  |
| [6.4](https://greenstep.pca.state.mn.us/bp-action-detail/81778) | ★ | Include ecological provisions in the comprehensive plan that explicitly aim to minimize open space fragmentation and/or establish a growth area with expansion criteria. | Comprehensive Plan includes preserving green infrastructure; Open Space Preservation Plan; infill prior to expanding new urban growth areas | 1/30/2013 |
| [6.5](https://greenstep.pca.state.mn.us/bp-action-detail/81779) | ★ | Adopt climate mitigation and/or energy independence goals/objectives in the comprehensive plan or in a separate policy document; include transportation recommendations. | 2013 Comp Plan established broad energy independence goals | 1/30/2013 |
| Best Practice 7: Resilient City Growth BP 7 Completed? YES Total actions completed: 1  **Actions to Complete BP 7:** ~~Any one action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [7.1](https://greenstep.pca.state.mn.us/bp-action-detail/81780) | Choose an item. | Eliminate barriers and actively encourage higher density housing in city zoning ordinance and map. |  |  |
| [7.2](https://greenstep.pca.state.mn.us/bp-action-detail/81781) | Choose an item. | Achieve higher density housing with one of the following:  a. Flexible lot size/frontage requirement for infill development.  b. Density and floor area ratio (FAR) bonuses in selected residential zoning districts.  c. Clustered residential development.  d. Allowing accessory dwelling units, single-room occupancy housing, senior housing, co-housing or tiny houses / apartments by right in selected zoning districts.  e. Implement a vacation rental property registration policy and/or special tax. |  |  |
| [7.3](https://greenstep.pca.state.mn.us/bp-action-detail/81782) | ★ | Achieve higher intensity commercial/industrial land uses through at least one of the following strategies: a. Include a commercial district with zero-lot-line setbacks and a FAR minimum of 1. b. Set targets for the minimum number of employees/acre in different commercial zones. | Two mixed use zoning districts allow for reduced lot size and zero-setback requirements | 1/30/2013 |
| [7.4](https://greenstep.pca.state.mn.us/bp-action-detail/81783) | Choose an item. | Provide incentives for affordable housing, workforce housing, infill projects, or for life-cycle housing at or near job or retail centers, or for achieving an average net residential density of seven units per acre. |  |  |
| [7.5](https://greenstep.pca.state.mn.us/bp-action-detail/81784) | Choose an item. | Use design to create social trust and interaction among neighbors and allow developments that meet the prerequisites for LEED for Neighborhood Development certification. |  |  |
| Best Practice 8: Mixed Uses BP 8 Completed? YES Total actions completed: 4  **Actions to Complete BP 8:** ~~Any two actions~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [8.1](https://greenstep.pca.state.mn.us/bp-action-detail/81785) | ★ | Organize or participate in a community planning process for the city/a mixed-use district, including specific community engagement practices that engage cultural and income diverse community members. | Downtown Main Street Action Plan adopted 2009 | 1/30/2013 |
| [8.2](https://greenstep.pca.state.mn.us/bp-action-detail/81786) | ★ | Locate or lease a property for use as a school, city building or other government facility that has at least two of these attributes:  a. Adjacent to an existing employment or residential center.  b. Designed to facilitate and encourage access by walking, biking, or other non-vehicle travel modes.  c. Accessible by regular transit service. | 1999 Goodhue County Law Enforcement Center located in middle of downtown near housing; sidewalks on all streets in main grid; bus service runs through downtown 5 days a week | 1/30/2013 |
| [8.3](https://greenstep.pca.state.mn.us/bp-action-detail/81787) | ★ | Modify a planned unit development (PUD) ordinance to emphasize or require mixed-use development or affordable housing, to limit residential PUDs to areas adjacent to commercial development, and/or to add sustainability features. | PUD established 2000 allows mixed use developments; mixed use commercial zoning districts allow for residential uses | 1/30/2013 |
| [8.4](https://greenstep.pca.state.mn.us/bp-action-detail/81788) | Choose an item. | Report that a (re)development meets a city/community-determined minimum point threshold under the Equitable Development Scorecard or LEED-Neighborhood Development. |  |  |
| [8.5](https://greenstep.pca.state.mn.us/bp-action-detail/81789) | ★ | Have a downtown zoning district that emphasizes small and destination business, entrepreneurial spaces, and allows or requires residential and residential-compatible commercial development. | CBD zoning allows for residential mixed use development and flexible parking requirements | 1/30/2013 |
| [8.6](https://greenstep.pca.state.mn.us/bp-action-detail/81790) | Choose an item. | Incorporate form-based zoning approaches into the zoning code, in those areas where a diverse mix of uses is desired. |  |  |
| [8.7](https://greenstep.pca.state.mn.us/bp-action-detail/81791) | Choose an item. | Create incentives for vertical mixed-use development in appropriate locations. |  |  |
| Best Practice 9: Efficient Highway and Auto-Oriented Development BP 9 Completed? YES Total actions completed: 2  **Actions to Complete BP 9:** ~~Any one action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [9.1](https://greenstep.pca.state.mn.us/bp-action-detail/81792) | ★ | Establish design goals for at least one highway/auto-oriented corridor/cluster. | Commercial Design Standards established 2010 | 1/30/2013 |
| [9.2](https://greenstep.pca.state.mn.us/bp-action-detail/81793) | Choose an item. | Participate in regional economic development planning with representatives from surrounding townships, cities, the county and business interests to:  a. Estimate commercial/industrial needs among all jurisdictions.  b. Jointly implement recommendations to stage highway/auto-oriented commercial development in order to avoid overbuilding and expensive low-density development. |  |  |
| [9.3](https://greenstep.pca.state.mn.us/bp-action-detail/81794) | ★ | Adopt infrastructure design standards that protect the economic and ecologic functions of the highway corridor through clustering of development, native plantings and incorporating access management standards. | Hwy 61 had an access management study through MNDOT - The study encourages higher density development; compete streets policy | 1/30/2013 |
| [9.4](https://greenstep.pca.state.mn.us/bp-action-detail/81795) | Choose an item. | Adopt development policies for large-format developments, zoning for auto-oriented commercial districts at the sub-urban edge and/or in tightly defined and smaller urban development corridors/nodes that have some bike/walk/transit access. |  |  |
| Best Practice 10: Design for Natural Resource Conservation BP 10 Completed? YES Total actions completed: 2  **Actions to Complete BP 10:** ~~Any one action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [10.1](https://greenstep.pca.state.mn.us/bp-action-detail/81797) | ★ | Conduct a Natural Resource Inventory or Assessment; incorporate protection of priority natural systems or resources such as groundwater through the subdivision or development process. | Open Space Preservation Plan adopted 2009 | 1/30/2013 |
| [10.2](https://greenstep.pca.state.mn.us/bp-action-detail/81798) | Choose an item. | For cities outside or on the fringe of metropolitan areas, conduct a build-out analysis, fiscal impact study, or adopt an urban growth boundary and a capital improvement plan that provides long-term protection of natural resources/systems, and agriculture outside the boundary. |  |  |
| [10.3](https://greenstep.pca.state.mn.us/bp-action-detail/81799) | Choose an item. | For cities within metropolitan areas, incorporate woodland best management practices addressing protection of wooded areas into zoning or development review. |  |  |
| [10.4](https://greenstep.pca.state.mn.us/bp-action-detail/81800) | Choose an item. | Adopt a conservation design policy; use a conservation design tool for pre-design meetings with developers and for negotiating development agreements in cities with undeveloped natural resource areas. |  |  |
| [10.5](https://greenstep.pca.state.mn.us/bp-action-detail/81801) | ★ | Preserve environmentally sensitive, community-valued land by placing a conservation easement on city lands, and by encouraging/funding private landowners to place land in conservation easements. | Conservation easements for Red Wing Riverfront; DNR Natural and Scenic Grants used to purchase open space | 1/30/2013 |
| [10.6](https://greenstep.pca.state.mn.us/bp-action-detail/81920) | Choose an item. | Conserve natural, cultural, historic resources by adopting or amending city codes and ordinances to support sustainable sites, including roadsides, and environmentally protective land use development. |  |  |
| [10.7](https://greenstep.pca.state.mn.us/bp-action-detail/81919) | Choose an item. | Support and protect wildlife through habitat rehabilitation, preservation and recognition programs. |  |  |
| Transportation [**BP 11**: Living & Complete Streets](#_heading=h.qsh70q) [**BP 12**: Mobility Options](#_heading=h.3as4poj) [**BP 13**: Efficient City Fleets](#_heading=h.1pxezwc)[**BP 14**: Demand-Side Travel Planning](#_heading=h.49x2ik5) | | | | |
| Best Practice 11: Living & Complete Streets BP 11 Completed? YES Total actions completed: 4  **Actions to Complete BP 11:** ~~11.1 and any two additional actions~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [11.1](https://greenstep.pca.state.mn.us/bp-detail/81723) | ★ | Adopt a complete streets policy, or a living streets policy, which addresses landscaping and stormwater. | Complete Streets Policy adopted | 1/30/2013 |
| [11.2](https://greenstep.pca.state.mn.us/bp-action-detail/81803) | Choose an item. | Adopt zoning language or approve a skinny street/development project that follows green street and/or walkable streets principles. |  |  |
| [11.3](https://greenstep.pca.state.mn.us/bp-action-detail/81804) | Choose an item. | Modify a street in compliance with the city's complete streets policy. |  |  |
| [11.4](https://greenstep.pca.state.mn.us/bp-action-detail/81805) | ★ | Identify, prioritize and remedy complete streets gaps and lack of connectivity/safety within your road network. | SHIP grant to create a Share the Road bike and pedestrian route along Levee Road | 1/30/2013 |
| [11.5](https://greenstep.pca.state.mn.us/bp-action-detail/81806) | ★ | Identify and remedy street-trail gaps between city streets and off-road trails/bike trails. | Sidewalk constructed to connect Historic Pottery District to new Transit Hub | 1/30/2013 |
| [11.6](https://greenstep.pca.state.mn.us/bp-action-detail/81807) | ★ | Implement traffic calming policy/measures in at least one street redevelopment project. | Pedestrian intersections improved along Hwy 61 in Downtown Red Wing in 2014 | 1/30/2013 |
| Best Practice 12: Mobility Options BP 12 Completed? YES Total actions completed: 2  **Actions to Complete BP 12:** ~~Any two actions~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [12.1](https://greenstep.pca.state.mn.us/bp-action-detail/81808) | ★★ | Increase walking, biking and transit. | Bicycle and Pedestrian Master Plan adopted 2011; PW locker rooms added 2012; adding bike racks DT; Park & Ride downtown | 1/30/2013 |
| [12.2](https://greenstep.pca.state.mn.us/bp-action-detail/81809) | ★★ | Conduct an Active Living campaign such as a Safe Routes to School program. | Live Healthy Red Wing was formed in 2008 to promote active living and good nutrition | 1/30/2013 |
| [12.3](https://greenstep.pca.state.mn.us/bp-action-detail/81810) | Choose an item. | Prominently identify mobility options: transit; paratransit/Dial-A-Ride; ridesharing/cab services; rental cars; bikes; airports. |  |  |
| [12.4](https://greenstep.pca.state.mn.us/bp-action-detail/81811) | Choose an item. | Promote carpooling or ridesharing among community members, city employees, businesses, high schools and institutions of higher education. |  |  |
| [12.5](https://greenstep.pca.state.mn.us/bp-action-detail/81812) | Choose an item. | Implement workplace multi-modal transportation best management practices - including telework/ flexwork - in city government, businesses or at a local health care provider. |  |  |
| [12.6](https://greenstep.pca.state.mn.us/bp-action-detail/81813) | Choose an item. | Add/expand transit service, or promote car/bike sharing. |  |  |
| Best Practice 13: Efficient City Fleets BP 13 Completed? YES Total actions completed: 3  **Actions to Complete BP 13:** ~~Any two actions~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [13.1](https://greenstep.pca.state.mn.us/bp-action-detail/81814) | ★ | Efficiently use your existing fleet of city vehicles by encouraging trip bundling, video conferencing, carpooling, vehicle sharing and incentives/technology. | Fleet pool cars sized for use; intra-city mail | 1/30/2013 |
| [13.2](https://greenstep.pca.state.mn.us/bp-action-detail/81815) | ★ | Right-size/down-size city fleet with the most fuel-efficient vehicles that are of an optimal size and capacity for their intended functions. | Standard operating procedure to check for proper vehicle size; fuel efficient cars added to fleet | 1/30/2013 |
| [13.3](https://greenstep.pca.state.mn.us/bp-action-detail/81816) | Choose an item. | Phase-in operational changes, equipment changes including electric vehicles, and no-idling practices for city or local transit fleets. |  |  |
| [13.4](https://greenstep.pca.state.mn.us/bp-action-detail/81817) | ★ | Phase in bike, e-bike, foot or horseback modes for police, inspectors and other city staff. | 4 officers have attended bike patrol training; officers encouraged to spend some time on their shift on foot | 1/30/2013 |
| [13.5](https://greenstep.pca.state.mn.us/bp-action-detail/81818) | Choose an item. | Document that local school bus fleet has optimized routes, start times, boundaries, vehicle efficiency and fuels, driver actions to cut costs including idling reduction, and shifting students from the bus to walking, biking and city transit. |  |  |
| [13.6](https://greenstep.pca.state.mn.us/bp-action-detail/81819) | Choose an item. | Retrofit city diesel engines or install auxiliary power units and/or electrified parking spaces. |  |  |
| Best Practice 14: Demand-Side Travel Planning BP 14 Completed? NO Total actions completed: 1  **Actions to Complete BP 14:** Any ~~two~~ one action~~s~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [14.1](https://greenstep.pca.state.mn.us/bp-action-detail/81820) | ★★ | Reduce/eliminate parking minimums; add parking maximums; develop district parking; install meters and charge for parking at curb and city-owned lots/ramps. | Parking requirements waved and shared parking allowed in CBD | 1/30/2013 |
| [14.2](https://greenstep.pca.state.mn.us/bp-action-detail/81821) | Choose an item. | For cities with regular transit service, require/provide incentives for the siting of retail services at transit/ density nodes. |  |  |
| [14.3](https://greenstep.pca.state.mn.us/bp-action-detail/81822) | Choose an item. | For cities with regular transit service, require/provide incentives for the siting of higher density housing at transit/density nodes. |  |  |
| [14.4](https://greenstep.pca.state.mn.us/bp-action-detail/81823) | Choose an item. | Require new (re)developments to prepare a travel demand management plan or transit-oriented development standards or LEED for Neighborhood Development certification. |  |  |
| Environmental Management [**BP 15**: Sustainable Purchasing](#_heading=h.3o7alnk)[**BP 16**: Community Forests and Soil](#_heading=h.23ckvvd) [**BP 17**: Stormwater Management](#_heading=h.ihv636) [**BP 18**: Parks and Trails](#_heading=h.32hioqz)[**BP 19**: Surface Water](#_heading=h.1hmsyys)[**BP 20**: Efficient Water and Wastewater Systems](#_heading=h.41mghml)[**BP 21**: Septic Systems](#_heading=h.2grqrue)[**BP 22**: Sustainable Consumption and Waste](#_heading=h.vx1227)[**BP 23**: Local Air Quality](#_heading=h.3fwokq0) | | | | |
| Best Practice 15: Sustainable Purchasing BP 15 Completed? YES Total actions completed: 4  **Actions to Complete BP 15:** ~~15.1 and any one additional action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [15.1](https://greenstep.pca.state.mn.us/bp-action-detail/81825) | ★ | Adopt a sustainable purchasing policy or administrative guidelines/practices directing the city purchase at least:  a. EnergyStar and EPEAT certified equipment and appliances.  b. Paper containing post-consumer recycled content. | Energy Star appliances; 30% post-consumer recycled paper purchased | 6/5/2011 |
| [15.2](https://greenstep.pca.state.mn.us/bp-action-detail/81826) | ★ | Purchase energy used by city government with a higher renewable percentage than required by MN law. | Solar energy projects at 5 city buildings | 1/30/2013 |
| [15.3](https://greenstep.pca.state.mn.us/bp-action-detail/81827) | ★ | Establish purchasing preferences that support local, Minority, Disability, and Women-Owned businesses and, working with a local business association, develop a list of locally-produced products and suppliers for common purchases. | City makes every effort to purchase locally in every instance as a first choice | 6/5/2011 |
| [15.4](https://greenstep.pca.state.mn.us/bp-action-detail/81828) | Choose an item. | Require purchase of U.S. EPA WaterSense-certified products. |  |  |
| [15.5](https://greenstep.pca.state.mn.us/bp-action-detail/81829) | ★★ | Set minimum sustainability standards to reduce the impact of your concrete use, asphalt, roadbed aggregate, or other construction materials. | 100% of asphalt pavement recycled; 95% of concrete/ block/ brick recycled; 100% of manhole castings, valve boxes, pipes, signs/posts recycled | 1/30/2013 |
| [15.6](https://greenstep.pca.state.mn.us/bp-action-detail/81830) | Choose an item. | Require printing services to be purchased from companies using sustainable practices. |  |  |
| [15.7](https://greenstep.pca.state.mn.us/bp-action-detail/81831) | Choose an item. | Lower the environmental footprint of meetings and events in the city. |  |  |
| [15.8](https://greenstep.pca.state.mn.us/bp-action-detail/81832) | Choose an item. | Use national green standards/ guidelines for purchasing/investments such as cleaning products, furniture, flooring/coatings. |  |  |
| Best Practice 16: Community Forests and Soil BP 16 Completed? YES Total actions completed: 5  **Actions to Complete BP 16:** ~~Any two actions~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [16.1](https://greenstep.pca.state.mn.us/bp-action-detail/81833) | ★ | Certify as a Tree City USA. | Certified Tree City USA since 1995 | 1/30/2013 |
| [16.2](https://greenstep.pca.state.mn.us/bp-action-detail/81834) | Choose an item. | Adopt best practices for urban tree planting/quality; require them in private developments and/or use them in at least one development project. |  |  |
| [16.3](https://greenstep.pca.state.mn.us/bp-action-detail/81835) | ★ | Budget for and achieve resilient urban canopy/tree planting goals. | Spring and fall plantings; keep record of where trees are removed; replacing ash trees | 1/30/2013 |
| [16.4](https://greenstep.pca.state.mn.us/bp-action-detail/81836) | ★ | Maximize tree planting along your main downtown street or throughout the city. | Tree plantings in DT; 2008 report mapped 2,690 trees along streets and boulevards | 6/5/2011 |
| [16.5](https://greenstep.pca.state.mn.us/bp-action-detail/81837) | ★★ | Adopt a tree preservation or native landscaping ordinance. | Tree Replacement Policy for both public and private property; private tree inspections | 6/5/2011 |
| [16.6](https://greenstep.pca.state.mn.us/bp-action-detail/81906) | ★★ | Build community capacity to protect existing trees by one or more of:  a. Having trained tree specialists.  b. Supporting volunteer forestry efforts.  c. Adopting an EAB/forest management plan or climate adaptation plan for the urban forest. | Two staff certified; consultant forester; community organization that protects city’s trees and green spaces | 1/30/2013 |
| [16.7](https://greenstep.pca.state.mn.us/bp-action-detail/101876) | Choose an item. | Conduct a tree inventory or canopy study for public and private trees. |  |  |
| Best Practice 17: Stormwater Management BP 17 Completed? YES Total actions completed: 3  **Actions to Complete BP 17:** ~~Any one action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [17.1](https://greenstep.pca.state.mn.us/bp-action-detail/81840) | Choose an item. | Adopt and use Minnesota's Minimal Impact Design Standards (MIDS). |  |  |
| [17.2](https://greenstep.pca.state.mn.us/bp-action-detail/81838) | Choose an item. | Complete the GreenStep Municipal Stormwater Management Assessment. |  |  |
| [17.3](https://greenstep.pca.state.mn.us/bp-action-detail/81839) | Choose an item. | Adopt by ordinance one or more stormwater infiltration/management strategies to reduce impervious surface. |  |  |
| [17.4](https://greenstep.pca.state.mn.us/bp-action-detail/81841) | ★ | Create a stormwater utility that uses variable fees to incentivize and educate property owners. | Stormwater Utility based on use and land type established 2009 | 6/5/2011 |
| [17.5](https://greenstep.pca.state.mn.us/bp-action-detail/81842) | ★ | Adopt and implement guidelines or design standards/incentives for stormwater infiltration/reuse practices. | Raingardens installed; design standards for city and residents | 6/5/2011 |
| [17.6](https://greenstep.pca.state.mn.us/bp-action-detail/81843) | Choose an item. | Reduce de-icing and dust suppressant salt use to prevent permanent surface water and groundwater pollution. |  |  |
| Best Practice 18: Parks and Trails BP 18 Completed? NO Total actions completed: 2  **Actions to Complete BP 18:** Any ~~three~~ one action~~s~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [18.1](https://greenstep.pca.state.mn.us/bp-action-detail/81844) | ★ | Make improvements within your city's system of parks, offroad trails and open spaces. | 2007 evaluation of open space identified priority areas; 20% of City’s areas is park, trail, open space, or preserve | 6/28/2011 |
| [18.2](https://greenstep.pca.state.mn.us/bp-action-detail/81845) | Choose an item. | Plan and budget for a network of parks, green spaces, water features and trails for areas where new development is planned. |  |  |
| [18.3](https://greenstep.pca.state.mn.us/bp-action-detail/81846) | Choose an item. | Achieve minimum levels of city green space and maximize the percent within a ten-minute walk of community members. |  |  |
| [18.4](https://greenstep.pca.state.mn.us/bp-action-detail/81847) | Choose an item. | Adopt low-impact design standards in parks and trails that infiltrate or retain all 2 inch, 24-hour stormwater events on site. |  |  |
| [18.5](https://greenstep.pca.state.mn.us/bp-action-detail/81848) | Choose an item. | Create park/city land management standards/practices that maximize at least one of the following:  a. Low maintenance turf management; native landscaping; organic or integrated pest management; pollinator/monarch-safe policies.  b. Recycling/compostables collection; use of compost as a soil amendment.  c. Sources of nonpotable water, or surface/rain water, for irrigation. |  |  |
| [18.6](https://greenstep.pca.state.mn.us/bp-action-detail/81849) | Choose an item. | Certify at least one golf course in the Audubon Cooperative Sanctuary Program. |  |  |
| [18.7](https://greenstep.pca.state.mn.us/bp-action-detail/81850) | Choose an item. | Document that the operation and maintenance, or construction / remodeling, of at least one park building used an asset management tool, the SB 2030 energy standard, or a green building framework. |  |  |
| [18.8](https://greenstep.pca.state.mn.us/bp-action-detail/81851) | ★★ | Develop a program to involve community members in hands-on land restoration, invasive species management and stewardship projects. | Friends of the Bluffs, Sustainability Commission, and Live Health Red Wing engage in land restoration – buckthorn removal, repair, non-native vegetation removal, tree planting | 1/30/2013 |
| Best Practice 19: Surface Water BP 19 Completed? NO Total actions completed: 1  **Actions to Complete BP 19:** ~~If the city has a State public water, 19.4 and~~ any one additional action.  ~~If the city does not have a State public water, any one action.~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [19.1](https://greenstep.pca.state.mn.us/bp-action-detail/93541) | Choose an item. | Consistently monitor surface water quality/clarity and report findings to community members. |  |  |
| [19.2](https://greenstep.pca.state.mn.us/bp-action-detail/81852) | Choose an item. | Conduct/support multi-party community conversations, assessments, plans, and actions to improve local water quality/quantity. |  |  |
| [19.3](https://greenstep.pca.state.mn.us/bp-action-detail/81853) | Choose an item. | Adopt and publicly report on measurable surface water improvement targets for lake, river, wetland and ditches. |  |  |
| [19.4](https://greenstep.pca.state.mn.us/bp-action-detail/81854) | ★ | Adopt a shoreland ordinance for all river and lake shoreland areas. | Shoreland Management Ordinance approved by DNR | 1/30/2013 |
| [19.5](https://greenstep.pca.state.mn.us/bp-action-detail/81909) | Choose an item. | Adopt goals to revegetate shoreland and create a local program or outreach effort to help property owners with revegetation. |  |  |
| [19.6](https://greenstep.pca.state.mn.us/bp-action-detail/81910) | Choose an item. | Implement an existing TMDL implementation plan. |  |  |
| [19.7](https://greenstep.pca.state.mn.us/bp-action-detail/81911) | Choose an item. | Create/assist a Lake Improvement District. |  |  |
| [19.8](https://greenstep.pca.state.mn.us/bp-action-detail/101661) | Choose an item. | Reduce flooding damage and costs through the National Flood Insurance Programs and the NFIP’s Community Rating System. |  |  |
| Best Practice 20: Efficient Water and Wastewater Systems BP 20 Completed? NO Total actions completed: 3  **Actions to Complete BP 20:** 20.1~~, 20.2, and any one additional action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [20.1](https://greenstep.pca.state.mn.us/bp-detail/81731) | Choose an item. | Compare the energy use and financial performance of your facilities with other peer facilities. |  |  |
| [20.2](https://greenstep.pca.state.mn.us/bp-action-detail/81856) | ★ | Plan and budget for motor maintenance and upgrades. | Standard operating procedure | 1/30/2013 |
| [20.3](https://greenstep.pca.state.mn.us/bp-action-detail/81857) | ★ | Establish an on-going budget and program for decreasing inflow and infiltration into sewer lines and losses in drinking water systems. | Routine I&I studies | 6/28/2011 |
| [20.4](https://greenstep.pca.state.mn.us/bp-action-detail/81858) | Choose an item. | Optimize energy and chemical use at drinking water/wastewater facilities and decrease chloride in wastewater discharges. |  |  |
| [20.6](https://greenstep.pca.state.mn.us/bp-action-detail/81859) | ★★ | Implement a wastewater plant efficiency project or a program for local private business operations. | Industrial pretreatment program; 1 water reuse system in city | 6/28/2011 |
| [20.7](https://greenstep.pca.state.mn.us/bp-action-detail/81907) | Choose an item. | Create a demand-side pricing program. |  |  |
| Best Practice 21: Septic Systems BP 21 Completed? NO Total actions completed: 0  **Actions to Complete BP 21:** Any one action | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [21.1](https://greenstep.pca.state.mn.us/bp-action-detail/81860) | Choose an item. | Report to landowners suspected noncompliant or failing septic systems as part of an educational, informational and financial assistance and outreach program. |  |  |
| [21.2](https://greenstep.pca.state.mn.us/bp-action-detail/81861) | Choose an item. | Use a community process to address failing septic systems. |  |  |
| [21.3](https://greenstep.pca.state.mn.us/bp-action-detail/81862) | Choose an item. | Clarify/establish one or more responsible management entities for the proper design, siting, installation, operation, monitoring and maintenance of septic systems. |  |  |
| [21.4](https://greenstep.pca.state.mn.us/bp-action-detail/81863) | Choose an item. | Adopt a subsurface sewage treatment system ordinance. |  |  |
| [21.5](https://greenstep.pca.state.mn.us/bp-action-detail/81864) | Choose an item. | Create a program to finance septic system upgrades. |  |  |
| [21.6](https://greenstep.pca.state.mn.us/bp-action-detail/81865) | Choose an item. | Work with homeowners/ businesses in environmentally sensitive areas to promote innovative waste water systems. |  |  |
| [21.7](https://greenstep.pca.state.mn.us/bp-action-detail/81866) | Choose an item. | Arrange for assistance to commercial, retail and industrial businesses with water use reduction, pollution prevention and pretreatment prior to discharge to septics. |  |  |
| Best Practice 22: Sustainable Consumption and Waste BP 22 Completed? NO Total actions completed: 1  **Actions to Complete BP 22:** Any one action from 22.1-22.3 ~~and any one action from 22.4-22.8~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [22.1](https://greenstep.pca.state.mn.us/bp-action-detail/81867) | Choose an item. | Improve city operations/ procurement to prevent/reuse/recycle/compost waste from all public facilities, and minimize use of toxics and generation of hazardous waste. |  |  |
| [22.2](https://greenstep.pca.state.mn.us/bp-action-detail/81868) | Choose an item. | Address concerns over consumer products and packaging through education, reuse options, recycling/composting options, credits, fees, mandates or bans. |  |  |
| [22.3](https://greenstep.pca.state.mn.us/bp-action-detail/81869) | Choose an item. | Improve profitability, legal compliance and conserve resources through adoption of ordinance language, licensing and resource management contracts. |  |  |
| [22.4](https://greenstep.pca.state.mn.us/bp-action-detail/81870) | Choose an item. | Publicize, promote and use the varied businesses/services collecting and marketing used, repaired and rental consumer goods, especially electronics, in the city/county. |  |  |
| [22.5](https://greenstep.pca.state.mn.us/bp-action-detail/81871) | Choose an item. | Arrange for a residential and/or business/institutional source-separated organics collection/ management program. |  |  |
| [22.6](https://greenstep.pca.state.mn.us/bp-action-detail/81872) | Choose an item. | Improve recycling services/expand to multi-unit housing and commercial businesses. |  |  |
| [22.7](https://greenstep.pca.state.mn.us/bp-action-detail/81873) | ★ | Improve/organize residential trash/ recycling/organics collection by private/public operations and offer significant volume-based pricing on residential garbage and/or incentives for recycling. | City is residential waste collector; volume based receptacles/ rates | 6/28/2011 |
| [22.8](https://greenstep.pca.state.mn.us/bp-action-detail/81874) | Choose an item. | Adopt a construction and demolition ordinance governing demolition permits that requires a level of recycling and reuse for building materials and soil/land-clearing debris. |  |  |
| Best Practice 23: Local Air Quality BP 23 Completed? YES Total actions completed: 3  **Actions to Complete BP 23:** ~~Any two actions~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [23.1](https://greenstep.pca.state.mn.us/bp-action-detail/81875) | ★★★ | Replace small internal combustion engine lawn/garden equipment with lower polluting equipment. | Requirements for outdoor wood boiler standards adopted 2010 (\*NOTE: this action changed in 2022) | 1/30/2013 |
| [23.2](https://greenstep.pca.state.mn.us/bp-action-detail/81876) | ★★ | Reduce residential burning of wood and yard waste and eliminate ‘backyard’ trash burning. | Requirements for outdoor wood boiler standards adopted 2010 | 1/30/2013 |
| [23.3](https://greenstep.pca.state.mn.us/bp-action-detail/81877) | ★★★ | Decrease air emissions from vehicle idling, business trucking, and pollutants/noise from stationary engines/back-up generators. | Red Wing Housing Authority established a no-smoking policy for public housing (\*NOTE: this action changed in 2022) |  |
| [23.5](https://greenstep.pca.state.mn.us/bp-action-detail/81877) | Choose an item. | Install, assist with and promote publicly available EV charging stations or public fueling stations for alternative fuel vehicles. |  |  |
| Resilient Economic and Community Development [**BP 24**: Benchmarks and Community Engagement](#_heading=h.4f1mdlm)[**BP 25**: Green Business Development](#_heading=h.2u6wntf)[**BP 26**: Renewable Energy](#_heading=h.19c6y18)[**BP 27**: Local Food](#_heading=h.3tbugp1)[**BP 28**: Business Synergies and Ecodistricts](#_heading=h.28h4qwu)[**BP 29**: Climate Adaptation and Community Resilience](#_heading=h.nmf14n) | | | | |
| Best Practice 24: Benchmarks and Community Engagement BP 24 Completed? NO Total actions completed: 4  **Actions to Complete BP 24:** ~~24.1 and 24.2~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [24.1](https://greenstep.pca.state.mn.us/bp-action-detail/81880) | ★★ | Use a city commission/committee to lead, coordinate, report and engage community members on sustainability best practices. | Sustainability Commission (8 citizens) works with citizens, government, businesses and local community organizations | 4/25/2017 |
| [24.2](https://greenstep.pca.state.mn.us/bp-action-detail/81881) | ★★ | Organize goals/outcome measures from all city plans and report to community members data that show progress toward meeting these goals. | Established new energy efficiency targets, beginning Comp Plan revision with new sustainability goals and metrics | 1/30/2013 |
| [24.3](https://greenstep.pca.state.mn.us/bp-action-detail/81882) | ★★ | Engage community members/ partners in identifying, measuring, and reporting progress on key sustainability and social indicators. | Red Wing Energy Snapshot includes residential, C/I participation and savings cumulative since Jan 2016 | 4/24/2017 |
| [24.4](https://greenstep.pca.state.mn.us/bp-action-detail/81883) | ★ | Conduct/support a broad sustainability education/action campaign. | “Get-Up-And-Save Congregational Energy Challenge” 2017: congregations earn points for completing home actions | 4/24/2017 |
| [24.5](https://greenstep.pca.state.mn.us/bp-action-detail/81884) | Choose an item. | Conduct a community visioning/ planning initiative that engages a diverse set of community members & stakeholders and uses a sustainability, resilience, or environmental justice framework. |  |  |
| [24.6](https://greenstep.pca.state.mn.us/bp-action-detail/81923) | Choose an item. | Engage wide representation of community youth/students by creating opportunities to participate in city government. |  |  |
| [24.7](https://greenstep.pca.state.mn.us/bp-action-detail/101611) | Choose an item. | Engage Black, Indigenous, People of Color (BIPOC), renters, low-income, new Americans, differently abled and other traditionally under-represented community members. |  |  |
| Best Practice 25: Green Business Development BP 25 Completed? YES Total actions completed: 3  **Actions to Complete BP 25:** ~~Any two actions~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [25.1](https://greenstep.pca.state.mn.us/bp-action-detail/81885) | Choose an item. | Grow new/emerging green businesses and green jobs through targeted assistance and new workforce development. |  |  |
| [25.2](https://greenstep.pca.state.mn.us/bp-action-detail/81886) | ★ | Create/participate in a marketing/ outreach program to connect businesses with assistance providers. | Green Wing Energy Challenge encourages local businesses to reduce energy | 4/24/2017 |
| [25.3](https://greenstep.pca.state.mn.us/bp-action-detail/81887) | Choose an item. | Promote sustainable tourism. |  |  |
| [25.4](https://greenstep.pca.state.mn.us/bp-action-detail/81888) | ★ | Strengthen value-added businesses utilizing local "waste" material. | Metal recycled at Hove Metals in City; St. Paul heating takes wood for incinerator | 1/30/2013 |
| [25.5](https://greenstep.pca.state.mn.us/bp-action-detail/81889) | ★ | Lower the environmental and health risk footprint of a brownfield remediation/redevelopment project; report brightfield projects. | Two EPA Community Assessment Grants used to encourage clean up and re-development of brownfield sites | 1/30/2013 |
| [25.6](https://greenstep.pca.state.mn.us/bp-action-detail/81890) | Choose an item. | Promote green businesses that are recognized under a local, regional or national program. |  |  |
| [25.7](https://greenstep.pca.state.mn.us/bp-action-detail/81891) | Choose an item. | Conduct/ participate in a buy local campaign for community members and local businesses. |  |  |
| Best Practice 26: Renewable Energy BP 26 Completed? YES Total actions completed: 4  **Actions to Complete BP 26:** ~~Any two actions~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [26.1](https://greenstep.pca.state.mn.us/bp-action-detail/81892) | ★ | Adopt wind/biomass ordinances that allow, enable, or encourage appropriate renewable energy installations. | 2014 wind and solar ordinance adopted (some by-right provisions); installations have resulted | 4/24/2017 |
| [26.2](https://greenstep.pca.state.mn.us/bp-action-detail/81893) | Choose an item. | Promote resident/business purchases and/or generation of clean energy. |  |  |
| [26.3](https://greenstep.pca.state.mn.us/bp-action-detail/81894) | ★★★ | Promote financing and incentive programs for clean energy. | 2016 PACE via St.Paul Port; 1 applicant by April 2017 | 4/24/2017 |
| [26.4](https://greenstep.pca.state.mn.us/bp-action-detail/81895) | Choose an item. | Support a community solar garden or help community members participate in a community solar project. |  |  |
| [26.5](https://greenstep.pca.state.mn.us/bp-action-detail/81896) | ★ | Install a public sector/municipally-owned renewable energy technology. | During 2013-14 6 solar PV installations on city buildings; 240,000 kWh/yr. = 3.6% of City’s operational electrical consumption | 4/24/2017 |
| [26.6](https://greenstep.pca.state.mn.us/bp-action-detail/81897) | ★★★ | Report installed private sector-owned renewable energy/energy efficient generation capacity. | City, school district & others subscribed to a solar garden in 2016 for 5.7M kWh annually, nearly 100% of city operations’ electrical use, will save the City a conservative estimate of $6.6 million over 25 yrs. | 4/24/2017 |
| [26.7](https://greenstep.pca.state.mn.us/bp-action-detail/81908) | Choose an item. | Become a solar-ready community, including adopting ordinance/zoning language and an expedited permit process for residents and businesses to install solar energy systems. |  |  |
| Best Practice 27: Local Food BP 27 Completed? YES Total actions completed: 2  **Actions to Complete BP 27:** ~~Any one action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [27.1](https://greenstep.pca.state.mn.us/bp-action-detail/81898) | Choose an item. | Incorporate working landscapes - agriculture and forestry - into the city by adopting an ordinance. |  |  |
| [27.2](https://greenstep.pca.state.mn.us/bp-action-detail/81899) | ★ | Facilitate creation of home/ community gardens, chicken & bee keeping, and incorporation of food growing areas/access in multifamily and residential developments. | Two community gardens | 6/6/2011 |
| [27.3](https://greenstep.pca.state.mn.us/bp-action-detail/81900) | ★★ | Create, assist with and promote local food production/distribution within the city. | Farmers Market expansion, winter operation, and satellite locations to assisted living facilities; two community gardens; local markets | 6/6/2011 |
| [27.4](https://greenstep.pca.state.mn.us/bp-action-detail/81901) | Choose an item. | Measurably increase institutional buying, and sales through groceries and restaurants. |  |  |
| Best Practice 28: Business Synergies and Ecodistricts BP 28 Completed? YES Total actions completed: 1  **Actions to Complete BP 28:** ~~Any one action~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [28.2](https://greenstep.pca.state.mn.us/bp-action-detail/81903) | ★ | Document that at least one business/ building uses waste heat or water discharge from another business or conducts materials exchange activities with another organization. | S.B. Foot Tannery gets waste heat from the Incinerator next door | 1/30/2013 |
| [28.3](https://greenstep.pca.state.mn.us/bp-action-detail/81904) | Choose an item. | Require, build or facilitate at least four sustainability attributes in a business/industrial park project. |  |  |
| [28.4](https://greenstep.pca.state.mn.us/bp-action-detail/81905) | Choose an item. | Use 21st century ecodistrict tools to structure, guide and link multiple green and sustainable projects together in a mixed-use neighborhood/development, or innovation district. |  |  |
| Best Practice 29: Climate Adaptation and Community Resilience BP 29 Completed? YES Total actions completed: 2  **Actions to Complete BP 29:** ~~29.1 at 2- or 3-star level~~ | | | | |
| **Best Practice Action:** | **Completed:** *(Star Level out of three stars)* | **Action Description:**  *(View on GreenStep Website for full description)* | **Action Summary:**  *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [29.1](https://greenstep.pca.state.mn.us/bp-action-detail/81912) | ★★ | Prepare to maintain public health and safety during extreme weather and climate-change-related events, while also taking a preventive approach to reduce risk for community members. | City- Goodhue Co. cooperation in emergency management; annually plan is practiced, police captain IDed; evacuation, sheltering and communication plans in place (Code Red automatic phone recordings) | 5/9/2017 |
| [29.2](https://greenstep.pca.state.mn.us/bp-action-detail/81913) | ★★ | Integrate climate resilience into city or tribal planning, policy, operations, and budgeting processes. | 2016 integration of climate resilience into 10-yr. city strategic planning, operations and budgeting: "develop a community resiliency plan,” "strengthen staff support for the Sustainability Commission," new half-time position for Sustainability Coordinator who will take the lead in resiliency planning | 5/9/2017 |
| [29.3](https://greenstep.pca.state.mn.us/bp-action-detail/81914) | Choose an item. | Increase social connectedness through engagement, capacity building, public investment, and opportunities for economically vulnerable residents. |  |  |
| [29.4](https://greenstep.pca.state.mn.us/bp-action-detail/81915) | Choose an item. | Encourage private sector action and incentivize investment in preventive approaches that reduce risk and minimize impacts. |  |  |
| [29.5](https://greenstep.pca.state.mn.us/bp-action-detail/81916) | Choose an item. | Protect public buildings and natural/ constructed infrastructure to reduce physical damage and sustain their function during extreme weather events. |  |  |
| [29.6](https://greenstep.pca.state.mn.us/bp-action-detail/81917) | Choose an item. | Reduce the urban heat impacts of public buildings/sites/infrastructure. |  |  |
| [29.7](https://greenstep.pca.state.mn.us/bp-action-detail/81918) | Choose an item. | Protect water supply and wastewater treatment facilities to reduce physical damage and sustain their function during extreme weather events. |  |  |
| [29.8](https://greenstep.pca.state.mn.us/bp-action-detail/81922) | Choose an item. | Improve local energy resilience. |  |  |