

**Assessment Date:** 11/20/2023

**Assessment completed by:** Kristin Mroz

# Assessment 2024

City of Roseville: 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:** July 2014

**Status:** Step 5

**Total Best Practices (BPs) Complete**: 22

**Total BP Actions Complete:** 63

[Roseville’s GreenStep Page](https://greenstep.pca.state.mn.us/city-detail/12406)

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| **Step 4** | 2020-2023 |
| **Step 5** | 2021-2023 |



**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/12406>

* **Green Remodeling Plan Book, nationally recognized**, is for interior and exterior homes, historic remodeling, and has recommendations and tips for sustainable and financially savvy home updating (revised in 2016)
* **New fire station equivalent to LEED** silver, with geothermal heating, maximum use of daylight
* **A Water Sense Partner** city, working with the EPA to conserve water
* **Code requires bicycle parking** spaces equal to 10% of the automobile parking requirement
* **Code permit chicken coops** in residential zones
* **5% reduced fuel and electricity use** in city fleet due electricity efficiency, efficient driving habits, no-idle policy; police reserve unit uses bicycles and ATV's

## 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/)

* 100% of streetlights, traffic lights, and city buildings and properties are LEDs.
* The average MPG for the city's gasoline fleet was 19.3 MPG in 2021, the highest MPG of any Step 4/5 reporting city.
* Roseville has 1 city-owned/leased EV in the fleet.
* 2 new electric vehicle charging stations were installed in Roseville in 2022, with a total of 36 plugs.
* 100% of Roseville's housing is located within 1 mile of a bicycle route.
* 100% of housing is located within ¾ mile of transit routes.
* 100% of all new housing added in 2022 was affordable housing.
* Roseville planted 359 net trees in 2022 - more than double what was planted in previously reported years.
* Roseville scored the highest Stormwater Assessment Scores of any Step 4/5 reporting city and improved scores from 70 in 2021 to 80 in 2022; adaptation scores from 69 to 89.
* Increased the number of city owned and private renewable energy generation sites from 86 (736 kW) in 2019 to 288 (5105 kW) in 2022.
* 58% of total city operations energy use that is generated or purchased renewable electricity, up from 46% in 2019.
* Roseville graduated from the Partners in Energy program and is implementing actions.
* Roseville hired a full-time Sustainability Coordinator to manage their sustainability and climate-related work.

## Leaf with solid fillGold Leaf Actions

Actions reported under the Gold Leaf program focus on pathways for communities to take local climate action through the GreenStep program. Participants of the Gold Leaf program are recognized as they achieve ‘gold leaves’ for completing new actions in that year from 44 high-priority, high-impact climate actions under the categories of:

[Learn more about the Gold Leaf Program](https://greenstep.pca.state.mn.us/page/gold-leaf-pilot)

* Climate mitigation (CM)
* Climate planning (CP)
* Climate adaptation (CA)
* Community connectedness for Minnesota's changing climate (CC)

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| **Year Reported** | **Gold Leaf Action** | **Action Reported at** |
| 2023 | CP10 – Climate staff | 24.1 |
| 2023 | CP4 - Climate adaptation/resilience plans | 29.2 |
| 2023 | CC11 – Community visioning  | 29.3 |

## 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.

[x]  **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:

[x]  **Any 16 Best Practices**

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

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

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

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

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

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

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

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

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

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

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

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

[x] \* **Climate Adaptation & Community Resilience:** [x] [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 the CORE metrics, include 5 additional metrics.
* **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

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| 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 BuildingsBP 1 Completed? YES Total actions completed: 4**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). | 4 main campuses entered in B3  | 2/11/2015 |
| [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. | Motion detectors added to City Hall rooms in 2012; 2015 finished changing all building lights to LED, updated boiler; starting to analyze the B3 data for savings | 2/4/2016 |
| [1.3](https://greenstep.pca.state.mn.us/bp-action-detail/81745) | Choose an item. | Invest in larger energy efficiency projects.  |  |  |
| [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. | New fire station equivalent to LEED silver, with geothermal heating, maximum use of daylight | 2/11/2015 |
| [1.6](https://greenstep.pca.state.mn.us/bp-action-detail/81748) | Choose an item. | Improve operations and maintenance of city-owned/school buildings and leased buildings.  |  |  |
| [1.7](https://greenstep.pca.state.mn.us/bp-action-detail/81749) | ★★ | Install one or more of the following:-A ground-source, closed loop geothermal system.-A district energy/microgrid system.-A rainwater harvesting system  | Oval Skating Rink-geothermal for heat/cool & making ice; waste heat and ground source energy to warm buildings | 2/11/2015 |
| Best Practice 2: Efficient Existing Private BuildingsBP 2 Completed? YES Total actions completed: 2**Actions to Complete BP 2:** ~~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:** |
| [2.1](https://greenstep.pca.state.mn.us/bp-action-detail/81750)  | ★★★ | Create or participate in a program to promote energy and water efficiency. | "Living Smarter" campaign includes nationally recognized Green Remodeling Plan Book (just updated); 200 energy audits with Xcel Energy per year | 4/27/2016 |
| [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) | ★★ | Create one of the following:-Water-wise landscaping ordinance/ guidance-WaterSense purchasing program-Guidance on rainwater harvesting and home water softener use | Water Sense Partner; code for landscaping that improves ground water quality and reduces storm water runoff | 2/11/2015 |
| [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 BuildingsBP 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 SignalsBP 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)  | ★★ | Require energy efficient, Dark-Sky compliant new or replacement outdoor lighting fixtures on city-owned/private buildings/facilities. | LED Retrofit Plan, all city building exterior lights 2011-2015 | 2/11/2015 |
| [4.2](https://greenstep.pca.state.mn.us/bp-action-detail/81763) | ★ | Purchase LEDs for all future street lighting and traffic signals. | All signals converted to LED | 2/11/2015 |
| [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) | Choose an item. | Coordinate traffic signals; optimize signal timing to minimize car idling at intersections yet maintain safe and publicly acceptable vehicle speeds. |  |  |
| [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. | LED Four Year Plan (2013-2016) includes funding for replacement  | 2/11/2015 |
| [4.6](https://greenstep.pca.state.mn.us/bp-action-detail/81767) | ★ | Relamp/improve exterior building lighting for city-owned buildings/ facilities with energy efficient, Dark-Sky compliant lighting. | 25% relamped  | 2/11/2015 |
| [4.7](https://greenstep.pca.state.mn.us/bp-action-detail/81768) | Choose an item. | Replace city-owned parking lot/ramp lighting with Dark-Sky compliant, energy efficient, automatic dimming lighting technologies. |  |  |
| [4.8](https://greenstep.pca.state.mn.us/bp-action-detail/81769) | Choose an item. | Replace city's existing traffic signal indications with LEDs. |  |  |
| Best Practice 5: Building RedevelopmentBP 5 Completed? YES Total actions completed: 1**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. | Green remodeling, & historic, plan books; residential energy efficiency incentives | 4/27/2016 |
| [5.2](https://greenstep.pca.state.mn.us/bp-action-detail/81771) | Choose an item. | Implement the Minnesota Main Street model for commercial revitalization. |  |  |
| [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) | Choose an item. | Adopt development/design standards and programs that facilitate infill, redevelopment, and adaptable buildings.  |  |  |

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| 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 PlansBP 6 Completed? YES Total actions completed: 2**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. | 2009 Comprehensive Plan  | 7/11/2015 |
| [6.2](https://greenstep.pca.state.mn.us/bp-action-detail/81776) | ★★★ | Demonstrate that regulatory ordinances comply with the comprehensive plan. | Individual ordinances are introduced with purposes throughout the city code  | 2/11/2015 |
| [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) | Choose an item. | Include ecological provisions in the comprehensive plan that explicitly aim to minimize open space fragmentation and/or establish a growth area with expansion criteria. |  |  |
| [6.5](https://greenstep.pca.state.mn.us/bp-action-detail/81779) | Choose an item. | Adopt climate mitigation and/or energy independence goals/objectives in the comprehensive plan or in a separate policy document; include transportation recommendations. |  |  |
| Best Practice 7: Resilient City GrowthBP 7 Completed? YES Total actions completed: 2**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)  | ★ | Eliminate barriers and actively encourage higher density housing in city zoning ordinance and map.  | Up to 8 units/acre in low density residential districts | 7/17/2015 |
| [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) | Choose an item. | 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.  |  |  |
| [7.4](https://greenstep.pca.state.mn.us/bp-action-detail/81783) | ★★ | 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. | Help housing mix by direct purchase & demolition | 7/17/2015 |
| [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 UsesBP 8 Completed? NO Total actions completed: 0**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) | Choose an item. | 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. |  |  |
| [8.2](https://greenstep.pca.state.mn.us/bp-action-detail/81786) | Choose an item. | 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. |  |  |
| [8.3](https://greenstep.pca.state.mn.us/bp-action-detail/81787) | Choose an item. | 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. |  |  |
| [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) | Choose an item. | Have a downtown zoning district that emphasizes small and destination business, entrepreneurial spaces, and allows or requires residential and residential-compatible commercial development. |  |  |
| [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 DevelopmentBP 9 Completed? YES Total actions completed: 3**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. | Comprehensive Plan Transportation Section includes policy on discouraging traffic from passing through residential areas | 7/17/2015 |
| [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. | Comp plan includes access management guidelines along with clustering of development | 2/11/2015 |
| [9.4](https://greenstep.pca.state.mn.us/bp-action-detail/81795) | ★ | 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. | Comp plan promotes TOD near existing & future transit | 2/11/2015 |
| Best Practice 10: Design for Natural Resource ConservationBP 10 Completed? NO Total actions completed: 0**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) | Choose an item. | Conduct a Natural Resource Inventory or Assessment; incorporate protection of priority natural systems or resources such as groundwater through the subdivision or development process. |  |  |
| [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) | Choose an item. | 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. |  |  |
| [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 StreetsBP 11 Completed? YES Total actions completed: 3**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. | 2020 Comp Plan goal, and operating policy, of a multi-modal system, with focus on narrowing streets, saving trees, increasing impermeability, adding walkability | 4/23/2019 |
| [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. | Twin Lakes project added a walking path connecting both sides of the lakes | 2/11/2015 |
| [11.5](https://greenstep.pca.state.mn.us/bp-action-detail/81806) | Choose an item. | Identify and remedy street-trail gaps between city streets and off-road trails/bike trails. |  |  |
| [11.6](https://greenstep.pca.state.mn.us/bp-action-detail/81807) | ★★ | Implement traffic calming policy/measures in at least one street redevelopment project. | Implemented 2 roundabouts & completed road diets | 2/11/2015 |
| Best Practice 12: Mobility OptionsBP 12 Completed? YES Total actions completed: 3**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.  | Some transit shelters maintained by city; zoning code requires bike parking spaces equal to 10% of parking requirement | 2/11/2015 |
| [12.2](https://greenstep.pca.state.mn.us/bp-action-detail/81809) | Choose an item. | Conduct an Active Living campaign such as a Safe Routes to School program. |  |  |
| [12.3](https://greenstep.pca.state.mn.us/bp-action-detail/81810) | ★ | Prominently identify mobility options: transit; paratransit/Dial-A-Ride; ridesharing/cab services; rental cars; bikes; airports. | Transportation options are available on city website; Living Smart promotes shorter drives, transit options, etc. | 2/11/2015 |
| [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) | ★ | Add/expand transit service, or promote car/bike sharing. | Snelling Avenue Bus Rapid Transit | 2/11/2015 |
| Best Practice 13: Efficient City FleetsBP 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) | Choose an item. | Efficiently use your existing fleet of city vehicles by encouraging trip bundling, video conferencing, carpooling, vehicle sharing and incentives/technology. |  |  |
| [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. | Fuel maintenance program evaluates fuel efficiency | 2/11/2015 |
| [13.3](https://greenstep.pca.state.mn.us/bp-action-detail/81816) | ★ | Phase-in operational changes, equipment changes including electric vehicles, and no-idling practices for city or local transit fleets. | No-idling practice in place for city vehicles  | 2/11/2015 |
| [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. | Police reserve unit uses bicycles and ATV's; 2009 report noted measures reduced fuel and electricity use by 5% | 2/11/2015 |
| [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 PlanningBP 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. | Code specifies parking area maximums | 2/11/2015 |
| [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 PurchasingBP 15 Completed? YES Total actions completed: 3**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. | 2019 Purchasing Policy: Energy Star, WaterSense, recycled paper, non-toxic cleaners, reusable or refillable office supplies required with a 10% cost range accepted; 1 buyer | 4/23/2019 |
| [15.2](https://greenstep.pca.state.mn.us/bp-action-detail/81826) | Choose an item. | Purchase energy used by city government with a higher renewable percentage than required by MN law. |  |  |
| [15.3](https://greenstep.pca.state.mn.us/bp-action-detail/81827) | Choose an item. | 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. |  |  |
| [15.4](https://greenstep.pca.state.mn.us/bp-action-detail/81828) | ★★ | Require purchase of U.S. EPA WaterSense-certified products. | Participant of WaterSense program; communicate WaterSense program to residents and businesses  | 2/11/2015 |
| [15.5](https://greenstep.pca.state.mn.us/bp-action-detail/81829) | Choose an item. | Set minimum sustainability standards to reduce the impact of your concrete use, asphalt, roadbed aggregate, or other construction materials. |  |  |
| [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) | ★★ | Lower the environmental footprint of meetings and events in the city. | Activities such as Living Smarter Fair are Zero Waste events | 2/11/2015 |
| [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 SoilBP 16 Completed? YES Total actions completed: 3**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. | 20 years; budget $4+ per resident for 10+ years | 2/11/2015 |
| [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) | Choose an item. | Budget for and achieve resilient urban canopy/tree planting goals. |  |  |
| [16.4](https://greenstep.pca.state.mn.us/bp-action-detail/81836) | Choose an item. | Maximize tree planting along your main downtown street or throughout the city. |  |  |
| [16.5](https://greenstep.pca.state.mn.us/bp-action-detail/81837) | ★ | Adopt a tree preservation or native landscaping ordinance. | Tree preservation ordinance  | 2/11/2015 |
| [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. | Certified Tree Inspector on staff; EAB Plan  | 2/11/2015 |
| [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 ManagementBP 17 Completed? YES Total actions completed: 2**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.  | Surface Water Management Plan includes variable stormwater utility fees; credits based on reduced runoff  | 2/11/2015 |
| [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. | Rain garden installations in Walsh Lake area use guidelines and design standards to encourage infiltration and alleviate local flooding problems | 2/11/2015 |
| [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 TrailsBP 18 Completed? YES Total actions completed: 5**Actions to Complete BP 18:** ~~Any three 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:** |
| [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. | 2030 Comp Plan goal to fill in gaps and provide continuous pathways; remedied 3 gaps in Twin Lakes | 2/11/2015 |
| [18.2](https://greenstep.pca.state.mn.us/bp-action-detail/81845) | ★★ | Plan and budget for a network of parks, green spaces, water features and trails for areas where new development is planned. | Park dedication for development of areas in access of one acre | 2/11/2015 |
| [18.3](https://greenstep.pca.state.mn.us/bp-action-detail/81846) | ★ | Achieve minimum levels of city green space and maximize the percent within a ten-minute walk of community members. | 679 acres of parks (19 acres/1000 residents) | 2/11/2015 |
| [18.4](https://greenstep.pca.state.mn.us/bp-action-detail/81847) | ★ | Adopt low-impact design standards in parks and trails that infiltrate or retain all 2 inch, 24-hour stormwater events on site. | Requirement low-impact design standards in parks and trails that infiltrate/retain all 2in, 24hr stormwater events on site  | 2/11/2015 |
| [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. | Annual restoration of natural areas including plantings along shorelands | 2/11/2015 |
| Best Practice 19: Surface WaterBP 19 Completed? YES Total actions completed: 3**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) | ★ | Conduct/support multi-party community conversations, assessments, plans, and actions to improve local water quality/quantity. | Living Smarter campaign promotes water quality; Water Fest event with Ramsey Washington Metro Watershed District; co-sponsor water convos | 2/11/2015 |
| [19.3](https://greenstep.pca.state.mn.us/bp-action-detail/81853) | ★ | Adopt and publicly report on measurable surface water improvement targets for lake, river, wetland and ditches. | City Water Management Plan adopts and measures surface water improvements targets for water bodies  | 2/11/2015 |
| [19.4](https://greenstep.pca.state.mn.us/bp-action-detail/81854) | ★ | Adopt a shoreland ordinance for all river and lake shoreland areas. | Shoreland, Wetland, and Stormwater Management ordinance approved by DNR | 2/11/2015 |
| [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 SystemsBP 20 Completed? NO Total actions completed: 2**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. | VFDs and SCADA systems are used  | 2/11/2015 |
| [20.3](https://greenstep.pca.state.mn.us/bp-action-detail/81857) | Choose an item. | Establish an on-going budget and program for decreasing inflow and infiltration into sewer lines and losses in drinking water systems. |  |  |
| [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) | Choose an item. | Implement a wastewater plant efficiency project or a program for local private business operations. |  |  |
| [20.7](https://greenstep.pca.state.mn.us/bp-action-detail/81907) | ★ | Create a demand-side pricing program. | Water conservation-based rate structure created 2013  | 2/11/2015 |
| Best Practice 21: Septic SystemsBP 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 WasteBP 22 Completed? YES Total actions completed: 2**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) | ★ | Improve city operations/ procurement to prevent/reuse/recycle/compost waste from all public facilities, and minimize use of toxics and generation of hazardous waste. | City has set recycling goals for city operations | 2/11/2015 |
| [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) | ★★ | Publicize, promote and use the varied businesses/services collecting and marketing used, repaired and rental consumer goods, especially electronics, in the city/county. | City website includes details of what can be recycled, how to recycle, an A-Z disposal guide, re-use businesses and charities, and info to reduce waste | 2/11/2015 |
| [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) | ★ | Improve recycling services/expand to multi-unit housing and commercial businesses. | Free containers provided to all residents; recycling information provided; organized recycling with 1 contract | 2/11/2015 |
| [22.7](https://greenstep.pca.state.mn.us/bp-action-detail/81873) | Choose an item. | 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. |  |  |
| [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 QualityBP 23 Completed? YES Total actions completed: 2**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. | City website encourages ‘think clean’ when burning and includes tips on fuel sources  | 2/11/2015 |
| [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. | Outdoor wood burning on city website | 2/11/2015 |
| [23.3](https://greenstep.pca.state.mn.us/bp-action-detail/81877) | Choose an item. | Decrease air emissions from vehicle idling, business trucking, and pollutants/noise from stationary engines/back-up generators. |  |  |
| [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 EngagementBP 24 Completed? YES Total actions completed: 3**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 Coordinator; City's Public Works Environment and Transportation Commission | 11/15/2023 |
| [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. | 2020 Comp Plan Implementation Chapter is detailed; 2017-2018 Sustainability Report | 4/23/2019 |
| [24.3](https://greenstep.pca.state.mn.us/bp-action-detail/81882) | Choose an item. | Engage community members/ partners in identifying, measuring, and reporting progress on key sustainability and social indicators. |  |  |
| [24.4](https://greenstep.pca.state.mn.us/bp-action-detail/81883) | Choose an item. | Conduct/support a broad sustainability education/action campaign.  |  |  |
| [24.5](https://greenstep.pca.state.mn.us/bp-action-detail/81884) | ★ | Conduct a community visioning/ planning initiative that engages a diverse set of community members & stakeholders and uses a sustainability, resilience, or environmental justice framework. | Envision Roseville 2022-2023 engaged multiple people through community events, surveys, meetings, etc.  | 11/15/2023 |
| [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 DevelopmentBP 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. | Articles on assistance providers, info on energy programs, sustainability & recycling in Roseville City News; with CERTs contacted 9 gas stations about LEDs, directed 3 to resources | 2/3/2016 |
| [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. | City collects/composts leaves, chips wood, makes available to residents and also for landscaping on city property  | 2/3/2016 |
| [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. | Expanding a parkway to further development efforts, & review for remediation requirements | 2/3/2016 |
| [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 EnergyBP 26 Completed? YES Total actions completed: 2**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. | Code was amended in 2010 creating a policy for reviewing and approving solar energy systems | 2/11/2015 |
| [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. | Approved PACE agreement in 2015; St. Christopher’s Episcopal Church installed solar | 4/27/2016 |
| [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) | Choose an item. | Install a public sector/municipally-owned renewable energy technology. |  |  |
| [26.6](https://greenstep.pca.state.mn.us/bp-action-detail/81897) | Choose an item. | Report installed private sector-owned renewable energy/energy efficient generation capacity. |  |  |
| [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 FoodBP 27 Completed? YES Total actions completed: 1**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. | Code permits chicken coops in residential; St Paul Farmers Market has 1 day/week operation  | 2/11/2015 |
| [27.3](https://greenstep.pca.state.mn.us/bp-action-detail/81900) | Choose an item. | Create, assist with and promote local food production/distribution within the city. |  |  |
| [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 EcodistrictsBP 28 Completed? NO Total actions completed: 0**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) | Choose an item. | Document that at least one business/ building uses waste heat or water discharge from another business or conducts materials exchange activities with another organization. |  |  |
| [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 ResilienceBP 29 Completed? YES Total actions completed: 3**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. | Coordinated Emergency Operations Plan and All-Hazard Mitigation Plan with Ramsey County includes EOC, line of succession, appropriate public information, and coordination of volunteers | 4/23/2019 |
| [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. | Population Vulnerability Assessment and Climate Adaptation Framework Report; 2023 Rice Creek Watershed District community resilience planning | 11/15/2023 |
| [29.3](https://greenstep.pca.state.mn.us/bp-action-detail/81914) | ★ | Increase social connectedness through engagement, capacity building, public investment, and opportunities for economically vulnerable residents. | 18-month visioning session in 2022-23 included input on transportation, conservation, parks, engagement, safety, housing, and business  | 11/15/2023 |
| [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. |  |  |