

**Assessment Date:** 12/28/2022

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# Assessment 2023

City of Richfield: 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:** January 2012

**Status:** Step 3

**Total Best Practices (BPs) Complete**: 25

**Total BP Actions Complete:** 86

[Richfield’s GreenStep Page](https://greenstep.pca.state.mn.us/city-detail/12392)

|  |  |
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| **Step 4** |  |
| **Step 5** |  |



**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/12392>

* 2013 **Home Energy Squad Enhanced Program** (cost-share with residents), up to $200 in additional rebates from the City
* Richfield **Rediscovered Lot Sale Program** offers a $5,000 credit
* 2008 **public works facility** has motion sensors, automatic bath sink shut-offs; automatic flushing, low-flow toilets in bathrooms, energy use 30-35% better than standard construction, ground source heat pump, daylighting, 65% demolition materials and construction waste recycled, 10% more open space than required, almost 100% of stormwater retained on site via rain gardens, retention ponds, minimized building footprint, and permeable paving
* **Mixed Use Districts** include zero lot lines; mixed use & higher residential densities zoned as the predominant land uses in the City's commercial centers envisioned as walkable urban villages
* 2008 NRI; virtually all of the natural areas and **high quality open spaces are already protected** in public parks
* **Sweet Streets** - one 4-2 lanes added bike lanes, sidewalks, multi-purpose trail, green boulevards. **Guiding Principles used in every transportation project**: multi-modal design; connectivity & public realm; local economy; design for people; community character & identity; sustainable solutions; healthy & active lifestyles; unique location.
* **2018 Bicycle Friendly** Bronze community; 2012 **Bike Master Plan**
* 2018 adopted **sustainable purchasing policy** - focus on source reduction, recycled content, energy & water savings, green building, bio-based products
* **Trees** on both sides of 90% of streets; 700 tree planted during 76th St. reconstruction project.
* **Stormwater runoff** not to exceed existing conditions for 1/10/100-year storms; if impervious increase over 50% runoff rate must meet pre-development conditions; control facilities must remove 50% of phosphorous
* All **residents are within ½ mile of park/protected green space**: 14 areas per 1,000 residents
* City **calibration of salters**, salt-temperature calculation, alternative types of salt reduced salt application rates by more than 50%
* **Urban Wildland Half Marathon** (Wood Lake Nature Center & Richfield Public Schools)-- 1,550 participants: all materials recyclable, reusable, compostable (cups, napkins), most of the food served at the event is organic
* **Organized solid waste program** launched in 2021, offering bi-weekly trash collection with “pay as you throw” prices. Cost savings include 90+% of residents saved on recycling price and 60-80+% of residents saved on their trash price.
* **Community Services Commission** (inc. 2 youth members) serves as the GreenStep citizen advisory group; receives annual performance management report.

## 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/)

* **Insert any notable metrics here.** This can include city accomplishments and metrics that should be highlighted from the report.

## 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]  **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 of choice.
* **Step 5:** Demonstrate improvement three eligible metrics measured in Step 4, from one data 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). | 11 city buildings collected regularly with 5-11 years of consecutive data | 12/27/2022 |
| [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. | New PW Facility has motion sensors, automatic sink shut-offs/flushing, low-flow toilets, ground source heat pump, daylighting, rain gardens, and permeable paving; LED outside lights at Wood Lake Nature Center | 2/11/2019 |
| [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. | 2008 new Public Works Facility: LEED attributes; occupancy sensors, low-flow water fixtures, state-of-the art HVAC systems, etc. | 2/14/2019 |
| [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  | Public Works facility is heated/cooled by closed-loop/ground source geothermal | 2/14/2019 |
| Best Practice 2: Efficient Existing Private BuildingsBP 2 Completed? YES Total actions completed: 5**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. | 2013 Home Energy Squad Enhanced Program (cost-share with residents); goal: “The housing stock reflects the community’s commitment to sustainability and healthy living.” | 3/8/2019 |
| [2.2](https://greenstep.pca.state.mn.us/bp-action-detail/81751) | ★★★ | Integrate green building and EV charging best practices information and assistance into the building permit process. | Building development review process makes clear proposals evaluated on city’ Comp Plan sustainability goal | 2/15/2019 |
| [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) | ★★ | Describe energy/water efficiency outcomes and other green building practices at local businesses and not-for-profit organizations. | Best Buy LEED Gold; Honda LEED-certifiable building expansion | 2/20/2019 |
| [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 | Comp plan water conservation goal, & info sent in utility bills; 2010 3-tier conservation rate structure | 2/1/2019 |
| [2.6](https://greenstep.pca.state.mn.us/bp-action-detail/81755) | ★★★ | 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. | By July 2013 21 buyers of foreclosed homes received loans; homes rehabbed under MN Housing’s Green Communities standards | 3/21/2019 |
| [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? YES Total actions completed: 2**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)  | ★ | 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.  | Parks Master Plan policy that all new buildings include criterion that improves sustainability of materials, energy use, operating cost and lifecycle replacement and natural environmental impact. | 2/15/2019 |
| [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) | ★★★ | 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. | Richfield Rediscovered Lot Sale Program offers a $5,000 credit: required – 3+ BR, 2 baths, 2-car garage, complements neighborhood; qualifies for "Green" certification; 3 MN Green Path & 1 LEED homes (2013) | 2/21/2019 |
| [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: 7**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. | Code requires outdoor Dark-Sky & metal halide public & private lighting | 2/15/2019 |
| [4.2](https://greenstep.pca.state.mn.us/bp-action-detail/81763) | ★★★ | Purchase LEDs for all future street lighting and traffic signals. | U of M study recommended LED lights & solar panels on the streetlights: by end of 2018 272 LED street lights have been installed -- almost 11% of total street lighting | 2/14/2019 |
| [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. | City coordinated with Co. & MNDOT to synchronize all of the city traffic signals | 2/14/2019 |
| [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. | 12 LED street lights; one solar traffic sign. It reports speeds of vehicles as they proceed past the sign; LEDs in parking lot of the ice arena/pool. | 2/14/2019 |
| [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. | Replaced fixtures on park buildings, well house, Ice Arena with Dark Sky compliant fixtures and LED bulbs | 2/14/2019 |
| [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. | Ice Arena parking lot LED bulbs in 2014 | 2/1/2019 |
| [4.8](https://greenstep.pca.state.mn.us/bp-action-detail/81769) | ★★★ | Replace city's existing traffic signal indications with LEDs. | 100% traffic signals replaced with LED  | 2/14/2019 |
| 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)  | Choose an item. | Adopt an historic preservation ordinance/ regulations and encourage adaptive reuse. |  |  |
| [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) | ★★★ | Adopt development/design standards and programs that facilitate infill, redevelopment, and adaptable buildings.  | Master plans with design standards for all 6 major commercial areas. | 2/15/2019 |

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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: 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. | Parks & water conservation sust. goals | 2/15/2019 |
| [6.2](https://greenstep.pca.state.mn.us/bp-action-detail/81776) | ★★★ | Demonstrate that regulatory ordinances comply with the comprehensive plan. | City's permit application forms and staff reports reference the importance of compliance with the Comp Plan | 2/15/2019 |
| [6.3](https://greenstep.pca.state.mn.us/bp-action-detail/81777) | ★★★ | Include requirements in comprehensive and/or other plans for intergovernmental coordination. | Coordination via Met Council; Planning Commissions of Edina, Richfield, and Bloomington meet 1/yr.; Regional Council of Mayors, 494 Coalition, MAC; city-public & private schools’ Joint Facilities Agreements | 2/19/2019 |
| [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) | ★★ | Adopt climate mitigation and/or energy independence goals/objectives in the comprehensive plan or in a separate policy document; include transportation recommendations. | Climate action plan adopted 2020 with 5 year timeframe and 80 actions | 10/16/2020 |
| Best Practice 7: Resilient City GrowthBP 7 Completed? YES Total actions completed: 3**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.  | Multi-family districts (by commercial, transit nodes) 23+ DU/A; medium-density residential 7-12 DU/A | 2/19/2019 |
| [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.  | Mixed Use Districts include zero lot lines; mixed use & higher residential densities zoned as the predominant land uses in the City's commercial centers envisioned as walkable urban villages | 2/19/2019 |
| [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. | TIF, land write downs, city loans & grants | 2/4/2019 |
| [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? 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. | As matter of policy, the City organizes stakeholder groups for all area plans and master plans | 2/19/2019 |
| [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) | ★★ | 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. | PUDs allow mixed uses, result in R-C adjacency to be consistent with the Comp Plan | 2/19/2019 |
| [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. | Up to 25% mix allowed in R-C DT development | 2/19/2019 |
| [8.6](https://greenstep.pca.state.mn.us/bp-action-detail/81790) | ★★ | Incorporate form-based zoning approaches into the zoning code, in those areas where a diverse mix of uses is desired. | Mixed Use Districts (along significant commercial corridors) have hybrid of traditional & form-based zoning but do not rely on illustrative diagrams & streetscape requirements | 2/19/2019 |
| [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. | Master plans for 2 highway corridors; City added Mixed Use Districts in the Zoning Code  | 2/7/2019 |
| [9.2](https://greenstep.pca.state.mn.us/bp-action-detail/81793) | ★ | 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. | Planning Commissions of Edina, Richfield, and Bloomington meet once per year to discuss border R-C issues | 2/19/2019 |
| [9.3](https://greenstep.pca.state.mn.us/bp-action-detail/81794) | Choose an item. | 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. |  |  |
| [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. | Historic development patterns in the vicinity of freeway access ramps has been auto-oriented but comp plan & zoning call for mixed use and medium-to-high-density residential | 2/19/2019 |
| Best Practice 10: Design for Natural Resource ConservationBP 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. | 2008 NRI; virtually all of the natural areas and high quality open spaces are already protected in public parks | 3/1/2019 |
| [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) | ★ | For cities within metropolitan areas, incorporate woodland best management practices addressing protection of wooded areas into zoning or development review. | Extensive requirements for ID / protection during development of existing on-site trees via landscape plans | 2/19/2019 |
| [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: 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. | “Richfield seeks to enhance the safety, … so as to create a connected network of facilities accommodating each mode of travel…” part of City's 'Sweet Streets' program | 1/31/2019 |
| [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) | ★★★ | Modify a street in compliance with the city's complete streets policy. | 4-2 lane project added bike lanes, sidewalks, multi-purpose trail, green boulevards and cut 1/3 off the non-complete streets budget | 2/6/2019 |
| [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. | CIP funds improvements consistent with comp plan, Bicycle Master Plan, SRTS plan; added a pedestrian bridge & underpass, trail N of freeway | 2/6/2019 |
| [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. | Restripe 12’ to 11,’ 4-to-3 lanes; Guiding Principles: multi-modal design, connectivity & public realm, local economy, design for people, community character & identity, sustainable solutions, healthy & active lifestyles, unique location | 2/8/2019 |
| Best Practice 12: Mobility OptionsBP 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.  | 2018 Bicycle Friendly Bronze community; 2012 Bike Master Plan | 2/7/2019 |
| [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) | 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) | ★ | Implement workplace multi-modal transportation best management practices - including telework/ flexwork - in city government, businesses or at a local health care provider. | Telecommuting policy; shower/changing rooms for employees and bike parking at several city buildings | 12/27/2022 |
| [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 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) | ★★ | Efficiently use your existing fleet of city vehicles by encouraging trip bundling, video conferencing, carpooling, vehicle sharing and incentives/technology. | AVL technology on 85% of fleet; also used to track/economize salt application; 2 video conference suites | 2/14/2019 |
| [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. | 2011 UofM study results in 3 hybrid vehicles to be purchased for Police & 2 additional PHEVs to be purchased in 2019; city purchased a dual-fuel mower | 2/14/2019 |
| [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. | Monthly monitoring/reporting on fuel usage/costs; training for more efficient driving; maintenance schedules; looking into natural gas conversion; EV charger for employees | 2/20/2019 |
| [13.4](https://greenstep.pca.state.mn.us/bp-action-detail/81817) | Choose an item. | Phase in bike, e-bike, foot or horseback modes for police, inspectors and other city staff. |  |  |
| [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? YES Total actions completed: 3**Actions to Complete BP 14:** ~~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:** |
| [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 maximums | 2/19/2019 |
| [14.2](https://greenstep.pca.state.mn.us/bp-action-detail/81821) | ★ | For cities with regular transit service, require/provide incentives for the siting of retail services at transit/ density nodes. | Comp plan IDs transit routes, calls for mixed use development (incl. denser R) at key commercial/transit nodes | 2/19/2019 |
| [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) | ★★ | Require new (re)developments to prepare a travel demand management plan or transit-oriented development standards or LEED for Neighborhood Development certification. | City may require a traffic management plan to mitigate traffic impacts shown in a study the city may require a developer to prepare | 2/19/2019 |
| 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: 2**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. | CC adopted sustainable purchasing policy in 2018, implementation coordinated by staff green team: focus on source reduction, recycled content, energy & water savings, green building, bio-based products | 1/28/2019 |
| [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) | 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% recycled asphalt in contractor specs is practice | 1/31/2019 |
| [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 SoilBP 16 Completed? YES Total actions completed: 4**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. | 32 yrs; annual tree budget of $18/resident | 2/14/2019 |
| [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. | Min. annual budget for replacement trees (about 250); overall canopy about 25%; residential canopy about 70% | 2/14/2019 |
| [16.4](https://greenstep.pca.state.mn.us/bp-action-detail/81836) | ★★ | Maximize tree planting along your main downtown street or throughout the city. | Trees on both sides of 90% of streets; 700 tree planted during 76th St. reconstruction project. | 2/14/2019 |
| [16.5](https://greenstep.pca.state.mn.us/bp-action-detail/81837) | Choose an item. | Adopt a tree preservation or native landscaping ordinance. |  |  |
| [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. | City arborists provide inspections for public & private properties; 2009 EAB comprehensive prep/response plan (treating boulevard ash trees, oak trees at Augsburg Park)  | 2/14/2019 |
| [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) | ★★★ | Adopt by ordinance one or more stormwater infiltration/management strategies to reduce impervious surface. | Runoff not to exceed existing conditions for 1/10/100-year storms; if impervious increase over 50% runoff rate must meet pre-development conditions; control facilities must remove 50% of phosphorous | 2/5/2019 |
| [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.  | Variable fees to encourage maximal on-site treatment; case-by-case incentives; city maintains some stormwater BMPs & bills owners | 2/5/2019 |
| [17.5](https://greenstep.pca.state.mn.us/bp-action-detail/81842) | Choose an item. | Adopt and implement guidelines or design standards/incentives for stormwater infiltration/reuse practices. |  |  |
| [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: 6**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. | Completed 4 trail & park links: bike lane link; first regional bike/ped trail link-up; bike lane; vacating a road and creating a greenway to connect 2 parks | 3/1/2019 |
| [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 system funded via 4 muni liquor stores; goal that new developments have public/ private open space; park space dedication or payment in lieu | 3/1/2019 |
| [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. | 100% of residents within ½ mile of park/protected green space: 14 acers per 1,000 residents | 3/1/2019 |
| [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) | ★★ | 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. | Parks Plan calls for natural resource preservation & environmental sustainability: turf mgt., fishing, irrigation, WQ improvement project | 3/1/2019 |
| [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) | ★★ | 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. | Ice arena retrofitted with energy-saving equipment; rooftop solar panels with display on its Wood Lake Nature Center; grey water system for City Hall | 3/1/2019 |
| [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 Earth Day Celebration: volunteers remove buckthorn, restore native vegetation, plant trees | 1/28/2019 |
| Best Practice 19: Surface WaterBP 19 Completed? NO Total actions completed: 2**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) | ★ | Adopt and publicly report on measurable surface water improvement targets for lake, river, wetland and ditches. | City annual report for the Wood Lake Nature Center | 2/4/2019 |
| [19.4](https://greenstep.pca.state.mn.us/bp-action-detail/81854) | Choose an item. | Adopt a shoreland ordinance for all river and lake shoreland areas. |  |  |
| [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) | ★★ | Implement an existing TMDL implementation plan. | City calibration of salters, salt-temperature calculation, alternative types of salt reduced salt application rates by 50%+ | 2/22/2019 |
| [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: 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. | Replaced 7 well motors with VFDs for total energy savings of 375,570 kWh; SCADA system; 3 high-efficiency compressors; water plant motion sensors, LEDs | 2/1/2019 |
| [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) | ★★★ | Optimize energy and chemical use at drinking water/wastewater facilities and decrease chloride in wastewater discharges. | Peak shaving program; recycle all the water used for backwashing and from the filter presses | 2/1/2019 |
| [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. | 3-tiered water conservation rate | 2/1/2019 |
| 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: 4**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. | Urban Wildland Half Marathon - 1,550 participants: all materials recyclable, reusable, compostable, most of the food served at the event is organic | 1/28/2019 |
| [22.2](https://greenstep.pca.state.mn.us/bp-action-detail/81868) | ★ | Address concerns over consumer products and packaging through education, reuse options, recycling/composting options, credits, fees, mandates or bans.  | Target in-store plastic bag/film/wrap & MP3, cellphone, and ink responsible recycling; Wood Lake battery recycling, various events which facilitate the collection and re-use or recycling of old shoes and clothes | 1/28/2019 |
| [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) | ★★ | Arrange for a residential and/or business/institutional source-separated organics collection/ management program. | Residential curbside organics collection for ~9900 households started 2021 | 12/27/2022 |
| [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. | Organized collection started 2021, pay as you throw model | 12/27/2022 |
| [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) | Choose an item. | Replace small internal combustion engine lawn/garden equipment with lower polluting equipment. |  |  |
| [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. | Open burning requirements and air pollution controls/regulation in ordinance  | 1/25/2019 |
| [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. | No tobacco use in City-owned parks | 1/25/2019 |
| [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: 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. | Community Services Commission (inc. 2 youth members) serves as the GreenStep citizen advisory group; receives annual performance management report; staff green team | 12/10/2018 |
| [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. | CIP includes comp plan goals and describes the consistency with goals for every project to be funded | 2/19/2016 |
| [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. | Report to city council and community annual on climate action plan – reference RII and racial equity | 10/26/2020 |
| [24.4](https://greenstep.pca.state.mn.us/bp-action-detail/81883) | ★ | Conduct/support a broad sustainability education/action campaign.  | *A Sustainable Home Improvement Guide* has sections on Energy Efficiency, Sustainable Supplies and Products, Sustainable Landscaping, and Water Conservation | 2/21/2019 |
| [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 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. | List of business development resources to assist in energy conservation and other green projects | 1/8/2019 |
| [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. | Free City wood chips; City use of 100% recycled asphalt; Organic Lawns sources compost locally; food co-op composts & donates unsold food daily | 1/9/2019 |
| [25.5](https://greenstep.pca.state.mn.us/bp-action-detail/81889) | Choose an item. | Lower the environmental and health risk footprint of a brownfield remediation/redevelopment project; report brightfield projects. |  |  |
| [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) | ★ | Conduct/ participate in a buy local campaign for community members and local businesses. | Chamber annual "buy local" campaign in December (45 businesses) | 1/9/2019 |
| Best Practice 26: Renewable EnergyBP 26 Completed? YES Total actions completed: 3**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. | Residential solar shading prohibition in code; U of M study of code with recommendations on wind, solar panels, green roofs / roof gardens, and rain gardens | 2/19/2019 |
| [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) | Choose an item. | Promote financing and incentive programs for clean energy. |  |  |
| [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. | 3rd-party installation of 6 solar arrays on liquor stores, Public Works, pool, ice arena; Wood Lake 7-panel array (supplies 10% of building's energy usage) | 2/14/2019 |
| [26.6](https://greenstep.pca.state.mn.us/bp-action-detail/81897) | ★★ | Report installed private sector-owned renewable energy/energy efficient generation capacity. | 10 household PV panels (64 kW total); 119 Xcel customers subscribe to community solar gardens, totaling 688 kW | 2/20/2019 |
| [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: 3**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. | Permitted use in all zoning districts: Horticulture/community gardens as an accessory to an established institutional use (school, church, park) | 2/19/2019 |
| [27.3](https://greenstep.pca.state.mn.us/bp-action-detail/81900) | ★★ | Create, assist with and promote local food production/distribution within the city. | City community gardens program; 2 farmer’s markets (over 25 local farmers and vendors) | 2/1/2019 |
| [27.4](https://greenstep.pca.state.mn.us/bp-action-detail/81901) | ★ | Measurably increase institutional buying, and sales through groceries and restaurants. | Farmers Market Certified Minnesota Grown | 2/1/2019 |
| Best Practice 28: Business Synergies and EcodistrictsBP 28 Completed? Choose an item. 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: 1**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. | Annual city DPS meeting with Co.; shelters (churches, schools, private businesses) IDed, used in exercises involving Community Emergency Response Team: sustainable for 2 weeks with supplies, availability for additional supplies | 1/31/2019 |
| [29.2](https://greenstep.pca.state.mn.us/bp-action-detail/81913) | Choose an item. | Integrate climate resilience into city or tribal planning, policy, operations, and budgeting processes. |  |  |
| [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. |  |  |