

**Assessment Date:** 9/27/2022

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# Assessment 2023

City of Woodbury: 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 2013

**Status:** Step 5

**Total Best Practices (BPs) Complete**: 23

**Total BP Actions Complete:** 77

[Woodbury’s GreenStep Page](https://greenstep.pca.state.mn.us/city-detail/12563)

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| **Step 4** | 2019-2022 |
| **Step 5** | 2019-2022 |

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

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

## Notable Actions

See all city-reported actions at <https://greenstep.pca.state.mn.us/city-detail/12563>

* **Goes Green Loan Program** provides low-interest loans for energy efficient green building practices.
* **Powering Your Community** 2009 Xcel Energy initiative led to 320 homeowner utilizing energy conservation programing and 70 Home Energy Squad Visits.
* **Ice arena refrigeration system replaced** in 2009 with an energy-efficient ground source heat system, estimated to prevent 1,024 metric tons of CO2 emissions and result in $100,000 in utility cost savings.
* **Energy Star Partner** resolution passed by city council in 2009.
* **Sustainable Municipal Building Standard** adopted by the city council in 2009 for all new and renovated city-owned buildings over 5,000 square feet.
* **Environmental Excellence Awards** established in 2008 recognize businesses, organizations, and individuals for their innovative programs and practices that demonstrate environmental leadership.
* **City Vehicle Purchasing Administrative Directive** adopted in 2008 sets guidelines for fleet procurement and has led to multiple fleet changes.
* **Open Space referendums** in 1998 and 2005 based off recommendations from a Natural Resources Inventory and Open Space Committee resulted in purchasing/protecting 14 out of 32 sites.

## 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 city street and traffic lights are LEDs.
* Woodbury leased or owns a total of 14 electric vehicles on their city fleet (2 Chevy Volts, 6 Mitsubishi Outlanders, 6 plug-in EVs for parks maintenance); the highest of any Step 4/5 reporting city.
* Woodbury added 11.41 miles of new or reconstructed sidewalks & trails in 2021, the highest of any Step 4/5 reporting city that year.
* 100% of housing is located within 1 mile of bicycle route.
* Increased the number of public electric vehicle charging stations from 8 in 2017 to 31 in 2021.
* Increased the number of acres that are parkland from 3386.2 in 2017 to 3480.74 in 2020.
* 100% of residents are located within a ½ mile or 10 minute walk of a park.
* Increased the number of net new trees planted from 449 in 2020 to 712 in 2021.
* Improved Stormwater Assessment scores from 55 in 2019 to 62 in 2021; adaptation scores from 54 to 68.
* 100% of lake shoreland has at least a 50’ vegetation buffer.
* 100% of water bodies in the city show at least a ‘good’ water clarity rating.
* Increased the number of city owned and private renewable energy generation sites from 63 (1045 kW) in 2017 to 138 (2389 kW) in 2021 – adding 826 kW in 2021 alone.
* 100% of total city operations energy use that is generated or purchased renewable electricity (33.37 MW generated; 13.4 MW purchased).
* Woodbury saw a reduction in community-wide *travel*, *energy*, and *overall* greenhouse gas emissions in 2021. Between 2020 and 2018, this is an overall reduction of 113,364 tonnes of CO2e – the equivalent of removing 24,426 gasoline-powered passenger vehicles driven for one year or adding 30.8 wind turbines running for a year.

## 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)

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

\* City completed Step 3 requirements prior to BP 29 addition to program

### 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: 6**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). | All buildings entered; started in 2002; entered in monthly | 2/28/2013 |
| [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. | Vending misers; parking lot lighting hours adjusted; occupancy sensors; low flow water fixtures; lighting retrofits | 4/26/2013 |
| [1.3](https://greenstep.pca.state.mn.us/bp-action-detail/81745) | ★★ | Invest in larger energy efficiency projects.  | All city buildings recommissioned; lighting retrofits; 2007 city hall remodel with geothermal; 2009 ice arena refrigeration system replaced with groundsource system; 2011 public safety building remodel with geothermal and 2014 solar PV | 4/26/2013 |
| [1.4](https://greenstep.pca.state.mn.us/bp-action-detail/81746) | ★★ | Implement IT efforts and city employee engagement to reduce plug loads, building energy use and workflow efficiency. | City Technology Policy recommends computer and printer shutdowns, sleep modes; virtualized servers; Energy Star and EPEAT hardware; occupancy sensors; Energy Star Partner 2009 resolution  | 4/23/2013 |
| [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. | Sustainable Building Standard for municipal buildings passed in 2009; City Hall Energy Star Certified; Bielenberg Sports Center 2013 used SB 2030 standards | 4/23/2013 |
| [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 | Closed loop geothermal systems in City Hall (2007), Bielenberg Sports Center (2009), and Public Safety Building (2011) | 4/23/2013 |
| Best Practice 2: Efficient Existing Private BuildingsBP 2 Completed? YES Total actions completed: 4**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. | Powering Your Community Xcel Energy pilot city in 2012 resulted in 70 Home Energy Squad visits and 320 homeowners participated in energy conservation programs | 4/23/2013 |
| [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) | ★★ | Describe energy/water efficiency outcomes and other green building practices at local businesses and not-for-profit organizations. | Five solar arrays (161 kW) installed on commercial businesses; four Energy Star buildings – Goodwill, Target, The Hartford, Kohls; Washington Co. rainwater reclamation irrigation system  | 4/23/2013 |
| [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 | Year-round odd/even watering schedule; lawn sprinkling allowed before noon or after 5pm; tiered conservation rate structure  | 4/23/2013 |
| [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. | Goes Green Loan program encourages sustainable and energy-efficient green building practices | 4/23/2013 |
| [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.  | 2009 Sustainable Building Standard for new/renovated city-owned buildings over 5,000sf requires use of B3 Sustainable Building Guidelines and consider Energy Star/LEED certification  | 4/23/2013 |
| [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. | Density bonus policy adopted in 2012 allows increased density if project includes sustainable design through LEED or similar program.  | 4/23/2013 |
| [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)  | Choose an item. | Require energy efficient, Dark-Sky compliant new or replacement outdoor lighting fixtures on city-owned/private buildings/facilities. |  |  |
| [4.2](https://greenstep.pca.state.mn.us/bp-action-detail/81763) | ★ | Purchase LEDs for all future street lighting and traffic signals. | Downward-directed sodium vapor street lights | 4/23/2013 |
| [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. | County installed traffic control system in 2011 along Radio Dr., Valley Creek Rd, Woodbury Dr.; 12 roundabouts | 4/23/2013 |
| [4.5](https://greenstep.pca.state.mn.us/bp-action-detail/81766) | ★ | Use LED/solar-powered lighting for a flashing sign or in a street/parking lot/park project. | Solar-powered pedestrian crossing lights at Windom and Interlachen | 4/23/2013 |
| [4.6](https://greenstep.pca.state.mn.us/bp-action-detail/81767) | Choose an item. | Relamp/improve exterior building lighting for city-owned buildings/ facilities with energy efficient, Dark-Sky compliant lighting. |  |  |
| [4.7](https://greenstep.pca.state.mn.us/bp-action-detail/81768) | 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) | ★★ | Replace city's existing traffic signal indications with LEDs. | All green and red are LED, yellow replaced as necessary | 4/23/2013 |
| Best Practice 5: Building RedevelopmentBP 5 Completed? YES Total actions completed: 2**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) | ★ | Create/modify a green residential remodeling assistance/financing program to assist homeowners in adding space or sustainable features.  | Goes Green Loan available to homeowners | 9/24/2013 |
| [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.  | Flexibility to implement infill and allow for redevelopment included in Land Use and Economic Development sections of Comp Plan and PUD, stormwater ordinances | 4/23/2013 |

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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: 3**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. | 2030 Comp Plan adopted 2012; sustainability in every chapter; guiding principal; critical success factor | 4/23/2013 |
| [6.2](https://greenstep.pca.state.mn.us/bp-action-detail/81776) | ★ | Demonstrate that regulatory ordinances comply with the comprehensive plan. | Code updated in 2012 to reflect 2030 Comp Plan | 4/23/2013 |
| [6.3](https://greenstep.pca.state.mn.us/bp-action-detail/81777) | Choose an item. | Include requirements in comprehensive and/or other plans for intergovernmental coordination. |  |  |
| [6.4](https://greenstep.pca.state.mn.us/bp-action-detail/81778) | ★★★ | Include ecological provisions in the comprehensive plan that explicitly aim to minimize open space fragmentation and/or establish a growth area with expansion criteria. | Parks Trails and Open Space section of Comp Plan includes 1997 NRI, 1998 preservation bond, and 2005 open space bond | 4/23/2013 |
| [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.  | 2012 Density Bonus Policy adopted and allows increased densitity for projects that include affordable/assisted living units, greenway dedication, sustainable design, or redevelopment | 4/23/2013 |
| [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. | 2012 Density Bonus Policy adopted and allows increased densitity for projects that include affordable/assisted living units or redevelopment | 4/23/2013 |
| [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: 5**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. | 2012 Urban Village Master Plan reviews mixed-use development area | 4/23/2013 |
| [8.2](https://greenstep.pca.state.mn.us/bp-action-detail/81786) | ★ | Locate or lease a property for use as a school, city building or other government facility that has at least two of these attributes:a. Adjacent to an existing employment or residential center.b. Designed to facilitate and encourage access by walking, biking, or other non-vehicle travel modes.c. Accessible by regular transit service. | Central Park facility is adjacent to and provides indoor access to Summer House senior facility and Woodbury YMCA; City Hall and Central Park are surrounded by trail network | 4/23/2013 |
| [8.3](https://greenstep.pca.state.mn.us/bp-action-detail/81787) | ★★★ | Modify a planned unit development (PUD) ordinance to emphasize or require mixed-use development or affordable housing, to limit residential PUDs to areas adjacent to commercial development, and/or to add sustainability features. | PUD ordinance emphasizes mixed uses | 4/23/2013 |
| [8.4](https://greenstep.pca.state.mn.us/bp-action-detail/81788) | Choose an item. | Report that a (re)development meets a city/community-determined minimum point threshold under the Equitable Development Scorecard or LEED-Neighborhood Development. |  |  |
| [8.5](https://greenstep.pca.state.mn.us/bp-action-detail/81789) | ★ | Have a downtown zoning district that emphasizes small and destination business, entrepreneurial spaces, and allows or requires residential and residential-compatible commercial development. | Urban Residential District allows residential and commercial designated areas; mixed-use overlay district | 4/23/2013 |
| [8.6](https://greenstep.pca.state.mn.us/bp-action-detail/81790) | Choose an item. | Incorporate form-based zoning approaches into the zoning code, in those areas where a diverse mix of uses is desired. |  |  |
| [8.7](https://greenstep.pca.state.mn.us/bp-action-detail/81791) | ★ | Create incentives for vertical mixed-use development in appropriate locations. | Mixed Use Overlay District promotes high-density residential development and vertical mix | 9/24/2013 |
| Best Practice 9: Efficient Highway and Auto-Oriented DevelopmentBP 9 Completed? NO Total actions completed: 0**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. | Landscaping guidelines and design principals for major roadway corridors | 4/26/2013 |
| [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. | Transit corridor planning with neighboring cities, chamber of commerce, Gateway Corridor Commission, Metropolitan Council, and MnDOT | 9/24/2013 |
| [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. | Long-range plans for access management along all major highways/roadways  | 9/24/2013 |
| [9.4](https://greenstep.pca.state.mn.us/bp-action-detail/81795) | Choose an item. | Adopt development policies for large-format developments, zoning for auto-oriented commercial districts at the sub-urban edge and/or in tightly defined and smaller urban development corridors/nodes that have some bike/walk/transit access. |  |  |
| Best Practice 10: Design for Natural Resource ConservationBP 10 Completed? YES Total actions completed: 3**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. | NRI of undeveloped areas of city completed in 1997; Open Space Committee developed preservation plan; Open Space Referendums in 1998 and 2005 | 5/1/2013 |
| [10.2](https://greenstep.pca.state.mn.us/bp-action-detail/81798) | Choose an item. | For cities outside or on the fringe of metropolitan areas, conduct a build-out analysis, fiscal impact study, or adopt an urban growth boundary and a capital improvement plan that provides long-term protection of natural resources/systems, and agriculture outside the boundary. |  |  |
| [10.3](https://greenstep.pca.state.mn.us/bp-action-detail/81799) | ★★ | For cities within metropolitan areas, incorporate woodland best management practices addressing protection of wooded areas into zoning or development review. | Tree Protection Standards in code; density bonus incentive to protect contiguous wooded areas that transfer free to the city as out lots | 4/26/2013 |
| [10.4](https://greenstep.pca.state.mn.us/bp-action-detail/81800) | Choose an item. | Adopt a conservation design policy; use a conservation design tool for pre-design meetings with developers and for negotiating development agreements in cities with undeveloped natural resource areas. |  |  |
| [10.5](https://greenstep.pca.state.mn.us/bp-action-detail/81801) | ★ | Preserve environmentally sensitive, community-valued land by placing a conservation easement on city lands, and by encouraging/funding private landowners to place land in conservation easements. | Conservation easements and fee for titles in place  | 5/1/2013 |
| [10.6](https://greenstep.pca.state.mn.us/bp-action-detail/81920) | Choose an item. | Conserve natural, cultural, historic resources by adopting or amending city codes and ordinances to support sustainable sites, including roadsides, and environmentally protective land use development. |  |  |
| [10.7](https://greenstep.pca.state.mn.us/bp-action-detail/81919) | Choose an item. | Support and protect wildlife through habitat rehabilitation, preservation and recognition programs. |  |  |
| Transportation[**BP 11**: Living & Complete Streets](#_heading=h.qsh70q)[**BP 12**: Mobility Options](#_heading=h.3as4poj)[**BP 13**: Efficient City Fleets](#_heading=h.1pxezwc)[**BP 14**: Demand-Side Travel Planning](#_heading=h.49x2ik5) |
| Best Practice 11: Living & Complete 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. | Roadway corridor task force developed street design principles that address mobility, safety, sustainability, and livability | 4/26/2013 |
| [11.2](https://greenstep.pca.state.mn.us/bp-action-detail/81803) | Choose an item. | Adopt zoning language or approve a skinny street/development project that follows green street and/or walkable streets principles. |  |  |
| [11.3](https://greenstep.pca.state.mn.us/bp-action-detail/81804) | ★★ | Modify a street in compliance with the city's complete streets policy. | Design principals changed all new streets to 4ft. narrower, sidewalk requirement; Colby Lake Dr. and Wimbledon Dr. 2012 projects | 4/26/2013 |
| [11.4](https://greenstep.pca.state.mn.us/bp-action-detail/81805) | Choose an item. | Identify, prioritize and remedy complete streets gaps and lack of connectivity/safety within your road network. |  |  |
| [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. | 2012 Colby Lake Dr. converted from 52ft wide to 20ft separated; speed bumps on Meadowbrook Dr.; Wimbledon Dr. reduced from 44ft to 28ft; 12 roundabouts | 5/1/2013 |
| 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.  | Trail map on website; new commercial development required to install bike racks | 4/26/2013 |
| [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. | Flexible Workplace Policy adopted allows some staff positions to telecommute  | 4/26/2013 |
| [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: 4**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. | Shared Vehicle Program revised/adopted in 2012 ensures city vehicles being utilized to the fullest and reduce fleet expansion | 4/26/2013 |
| [13.2](https://greenstep.pca.state.mn.us/bp-action-detail/81815) | ★★ | Right-size/down-size city fleet with the most fuel-efficient vehicles that are of an optimal size and capacity for their intended functions. | 2008 Vehicle Purchasing Administrative Directive provides guidelines for reducing costs, rightsizing, reducing emissions, adding hybrids and alt. fuel vehicles | 4/27/2013 |
| [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. | Fleet includes 2 hybrids, 4 electric parks vehicles, 33 vehicles using E85, 1 EV; no idling policy; fuel monitoring | 4/27/2013 |
| [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. | Public Safety Dept. uses bike patrol  | 4/27/2013 |
| [13.5](https://greenstep.pca.state.mn.us/bp-action-detail/81818) | Choose an item. | Document that local school bus fleet has optimized routes, start times, boundaries, vehicle efficiency and fuels, driver actions to cut costs including idling reduction, and shifting students from the bus to walking, biking and city transit. |  |  |
| [13.6](https://greenstep.pca.state.mn.us/bp-action-detail/81819) | ★ | Retrofit city diesel engines or install auxiliary power units and/or electrified parking spaces. | 2013 MPCA Diesel Emissions Reduction Act grant retrofit for 4 dump trucks | 5/15/2013 |
| Best Practice 14: Demand-Side Travel PlanningBP 14 Completed? YES Total actions completed: 2**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. | City accepts “proof of parking” on development applications to allow for a reduced number of required parking spaces | 4/27/2013 |
| [14.2](https://greenstep.pca.state.mn.us/bp-action-detail/81821) | Choose an item. | For cities with regular transit service, require/provide incentives for the siting of retail services at transit/ density nodes. |  |  |
| [14.3](https://greenstep.pca.state.mn.us/bp-action-detail/81822) | Choose an item. | For cities with regular transit service, require/provide incentives for the siting of higher density housing at transit/density nodes. |  |  |
| [14.4](https://greenstep.pca.state.mn.us/bp-action-detail/81823) | ★ | Require new (re)developments to prepare a travel demand management plan or transit-oriented development standards or LEED for Neighborhood Development certification. | \*Action changed after city action report | 4/27/2013 |
| 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. | Guidelines include Energy Star purchases, virtual IT server, WaterSense products, 30% post-consumer recycled content paper, GreenSeal, etc. cleaning products | 4/27/2013 |
| [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. | Purchased by city when available | 4/27/2013 |
| [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. | Avoid use of plastic and Styrofoam plates and cups at city meetings and events | 4/27/2013 |
| [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: 5**Actions to Complete BP 16:** ~~Any two actions~~ |
| **Best Practice Action:**  | **Completed:***(Star Level out of three stars)* | **Action Description:** *(View on GreenStep Website for full description)*  | **Action Summary:** *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [16.1](https://greenstep.pca.state.mn.us/bp-action-detail/81833) | ★ | Certify as a Tree City USA. | Certified since 2008 | 4/27/2013 |
| [16.2](https://greenstep.pca.state.mn.us/bp-action-detail/81834) | Choose an item. | Adopt best practices for urban tree planting/quality; require them in private developments and/or use them in at least one development project. |  |  |
| [16.3](https://greenstep.pca.state.mn.us/bp-action-detail/81835) | ★ | Budget for and achieve resilient urban canopy/tree planting goals. | Standing line item in budget; 500 trees in 2013; 22% tree canopy 22%; goal to increase | 4/27/2013 |
| [16.4](https://greenstep.pca.state.mn.us/bp-action-detail/81836) | ★ | Maximize tree planting along your main downtown street or throughout the city. | In new residential subdivisions, 3 trees/lot required; 25% (at maturity) commercial coverage required | 5/1/2013 |
| [16.5](https://greenstep.pca.state.mn.us/bp-action-detail/81837) | ★★★ | Adopt a tree preservation or native landscaping ordinance. | Native plantings required for stormwater and wetlands and used in parks/open space; Tree Protection Standards for Developing Properties; native species allowed in residential yards | 4/27/2013 |
| [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  | 4/27/2013 |
| [16.7](https://greenstep.pca.state.mn.us/bp-action-detail/101876) | Choose an item. | Conduct a tree inventory or canopy study for public and private trees. |  |  |
| Best Practice 17: Stormwater ManagementBP 17 Completed? YES Total actions completed: 3**Actions to Complete BP 17:** ~~Any one action~~ |
| **Best Practice Action:**  | **Completed:***(Star Level out of three stars)* | **Action Description:** *(View on GreenStep Website for full description)*  | **Action Summary:** *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [17.1](https://greenstep.pca.state.mn.us/bp-action-detail/81840) | Choose an item. | Adopt and use Minnesota's Minimal Impact Design Standards (MIDS). |  |  |
| [17.2](https://greenstep.pca.state.mn.us/bp-action-detail/81838) | ★★ | Complete the GreenStep Municipal Stormwater Management Assessment. | Blue Star City Award in 2010; 119/187 score | 4/27/2013 |
| [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.  | Set residential fees; variable multi-family, institutional, commercial, industrial fees based on impervious surface | 4/27/2013 |
| [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. | BMPs in Environmental Management code; design standards for infiltration, rain gardens, stormwater reuse, green roofs, and porous pavers | 4/27/2013 |
| [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: 4**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) | Choose an item. | Make improvements within your city's system of parks, offroad trails and open spaces. |  |  |
| [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. | Included in Comp Plan; Dedications Required in code  | 4/27/2013 |
| [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. | 3,200 acres of city-owned parks and open space, 130 miles of paved trails; 50 acres of park/1000 residents; 10% of city area; 90% residents within ½ mile  | 4/27/2013 |
| [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. | 90% lakeshore preserved in native vegetation and city-owned; turf conversion in parks; tree management ordinance; integrated pest management policy; stormwater use for irrigation at Bielenberg Sports Center since 1995; rainwater reuse at Thames Road fire station and golf courses  | 4/27/2013 |
| [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 Buckthorn Busting event; local volunteers; Adopt-A-Park program; Spring Cleanup Week | 4/27/2013 |
| Best Practice 19: Surface WaterBP 19 Completed? YES 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 and three watersheds have adopted Surface Water Management Plans; ‘lake grade’ reported annually | 4/27/2013 |
| [19.4](https://greenstep.pca.state.mn.us/bp-action-detail/81854) | ★★ | Adopt a shoreland ordinance for all river and lake shoreland areas. | Shoreland Overlay District in code; 150 ft riparian area from OHWL on most lakes dedicated to parkland | 4/27/2013 |
| [19.5](https://greenstep.pca.state.mn.us/bp-action-detail/81909) | Choose an item. | Adopt goals to revegetate shoreland and create a local program or outreach effort to help property owners with revegetation. |  |  |
| [19.6](https://greenstep.pca.state.mn.us/bp-action-detail/81910) | Choose an item. | Implement an existing TMDL implementation plan. |  |  |
| [19.7](https://greenstep.pca.state.mn.us/bp-action-detail/81911) | Choose an item. | Create/assist a Lake Improvement District. |  |  |
| [19.8](https://greenstep.pca.state.mn.us/bp-action-detail/101661) | Choose an item. | Reduce flooding damage and costs through the National Flood Insurance Programs and the NFIP’s Community Rating System. |  |  |
| Best Practice 20: Efficient Water and Wastewater 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) | Planned | Compare the energy use and financial performance of your facilities with other peer facilities. | 17 wells pull water from aquifers; no WWTP operated in city | 4/27/2013 |
| [20.2](https://greenstep.pca.state.mn.us/bp-action-detail/81856) | ★ | Plan and budget for motor maintenance and upgrades. | Annual maintenance with 10-year rehab cycle implementing VFD and upgraded safety controls | 4/27/2013 |
| [20.3](https://greenstep.pca.state.mn.us/bp-action-detail/81857) | ★ | Establish an on-going budget and program for decreasing inflow and infiltration into sewer lines and losses in drinking water systems. | Pre-televise road rehab projects to inspect sewer lines for I&I to set budget and include in projects | 4/27/2013 |
| [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. | Tiered conservation water rate structure from $.88-4.88; water use comparison tool online  | 5/8/2013 |
| 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? NO Total actions completed: 0**Actions to Complete BP 22:** Any one action from 22.1-22.3 and any one action from 22.4-22.8 |
| **Best Practice Action:**  | **Completed:***(Star Level out of three stars)* | **Action Description:** *(View on GreenStep Website for full description)*  | **Action Summary:** *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [22.1](https://greenstep.pca.state.mn.us/bp-action-detail/81867) | Choose an item. | Improve city operations/ procurement to prevent/reuse/recycle/compost waste from all public facilities, and minimize use of toxics and generation of hazardous waste. |  |  |
| [22.2](https://greenstep.pca.state.mn.us/bp-action-detail/81868) | Choose an item. | Address concerns over consumer products and packaging through education, reuse options, recycling/composting options, credits, fees, mandates or bans.  |  |  |
| [22.3](https://greenstep.pca.state.mn.us/bp-action-detail/81869) | Choose an item. | Improve profitability, legal compliance and conserve resources through adoption of ordinance language, licensing and resource management contracts. |  |  |
| [22.4](https://greenstep.pca.state.mn.us/bp-action-detail/81870) | Choose an item. | Publicize, promote and use the varied businesses/services collecting and marketing used, repaired and rental consumer goods, especially electronics, in the city/county. |  |  |
| [22.5](https://greenstep.pca.state.mn.us/bp-action-detail/81871) | Choose an item. | Arrange for a residential and/or business/institutional source-separated organics collection/ management program. |  |  |
| [22.6](https://greenstep.pca.state.mn.us/bp-action-detail/81872) | Choose an item. | Improve recycling services/expand to multi-unit housing and commercial businesses. |  |  |
| [22.7](https://greenstep.pca.state.mn.us/bp-action-detail/81873) | 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? NO Total actions completed: 1**Actions to Complete BP 23:** Any ~~two~~ one 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. | Burning regulations code; recreational fires limited in size and fire marshal approval; outdoor wood boilers not allowed | 4/27/2013 |
| [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: 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. | Environmental Advisory Council identifies GSC best practices to implement; monthly newsletter; Sustainability Specialist on staff | 4/27/2013 |
| [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. | Comprehensive city metrics reported annually in Performance Measurement Report includes sustainability  | 4/27/2013 |
| [24.3](https://greenstep.pca.state.mn.us/bp-action-detail/81882) | ★★ | Engage community members/ partners in identifying, measuring, and reporting progress on key sustainability and social indicators. | Sustainability adopted by council as one of the city’s seven Critical Success Factors | 4/27/2013 |
| [24.4](https://greenstep.pca.state.mn.us/bp-action-detail/81883) | ★★ | Conduct/support a broad sustainability education/action campaign.  | Water conservation campaign included free rain sensor and audit; Expo; workshops; tours | 4/27/2013 |
| [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: 2**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. | 2012 Powering Your Community Xcel Energy initiative built relationships with businesses to promote energy conservation  | 4/27/2013 |
| [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) | Choose an item. | Strengthen value-added businesses utilizing local "waste" material. |  |  |
| [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) | ★ | Promote green businesses that are recognized under a local, regional or national program. | Environmental Excellence Awards established in 2008 include business recognition  | 5/7/2013 |
| [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. | Alternative Energy Systems ordinance includes wind and solar | 4/28/2013 |
| [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. | Geothermal installed at city hall, public safety, BSC; 40kW solar at public safety; solar planned at BSC | 4/28/2013 |
| [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: 2**Actions to Complete BP 27:** ~~Any one action~~ |
| **Best Practice Action:**  | **Completed:***(Star Level out of three stars)* | **Action Description:** *(View on GreenStep Website for full description)*  | **Action Summary:** *(Provided by GreenStep Staff)* | **Date of Last Entry:** |
| [27.1](https://greenstep.pca.state.mn.us/bp-action-detail/81898) | Choose an item. | Incorporate working landscapes - agriculture and forestry - into the city by adopting an ordinance. |  |  |
| [27.2](https://greenstep.pca.state.mn.us/bp-action-detail/81899) | ★ | Facilitate creation of home/ community gardens, chicken & bee keeping, and incorporation of food growing areas/access in multifamily and residential developments. | Rear gardens allowed under Landscaping and Lawn Care ordinance  | 4/28/2013 |
| [27.3](https://greenstep.pca.state.mn.us/bp-action-detail/81900) | ★ | Create, assist with and promote local food production/distribution within the city. | Famers Markets allowed by code; area markets listed on website; Mud Pies garden at Primrose; rain garden at Crosswinds | 4/28/2013 |
| [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? 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? NO Total actions completed: 0**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) | Choose an item. | 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. |  |  |
| [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. |  |  |