**2021 Category B City: SAVAGE**

Currently a Step 1 GreenStep City

(joined March 2020 )

X

***Which assessment****? Preliminary: for city review Final: April 1st recommendation to LMC*

***Assessor and date*** *Kristin Mroz, 2/9/2021*

**NO**

**NO**

**19**

***Total BPs done: All required BPs done? BP distribution requirements met?***

**X**

***Recommend June 2021 public recognition at: Step 2 (any 6 BPs) Step 3***

Recognition at a [Step 3](https://greenstep.pca.state.mn.us/media/216) level involves, at a minimum:

* + BPA 29.1 (at 2 or 3-star rating)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Best practices (**required in bold**)  Action rules (req. actions in **bold**) | | BP implemented? | | Action summary by # and star level achieved |
| **BUILDINGS: distribution requirement is 2 BPs ; are 2 BPs done? YES** | | | | |
| **1. Public Buildings**  **Actions 1 & 2** | **YES** | | 1.1 @ 2 STARS – Data entered 2008-2014, started again summer 2020.  1.2 @ 1 STAR – Switching fluorescent to LED. Replaced FD 2019, Sports Dome 2020, City Hal, Marketplace Liquor beer cooler, and Library.  1.5 @ 3 STARS – McCool Pond ELC LEED Gold 2010 – powered by solar and geothermal, walls with wheat, recycled plastic countertops, sunflower seed cabinets, green roof.  1.6 @ 3 STARS – BAS at LEED Gold McColl Pond ELC. New BAS in City Hall/Police Facility and Fire Station 1 in 2020.  1.7 @ 1 STAR – McColl Pond ELC geothermal system 2010 | |
| 2. Private Buildings  any one action | YES | | 2.5 @ 2 STARS – 2020 smart irrigation controller rebate for residents. | |
| 3. New Green Buildings  any one action |  | |  | |
| 4. Lighting/Signals  2 actions with one from 5-8 | YES | | 4.2 @ 3 STARS – Agreement with Choice Electric to install LED on city-owned street lights.  4.6 @ 2 STARS – Updated lighting 2017: City Hall/Police parking lot, 2018: Library and Post Office, ELC, 2019: Depot, 2020: Fire Stations 1 & 2 | |
| 5. Building Redevelopment  any one action |  | |  | |
| **LAND USE: 2 BPs required; are 2 BPs done? YES** | | | | |
| **6. Comp Plan**  **Actions 1 & 2** | **YES** | | 6.1 @ 1 STAR – 2030 comp plan in place, 2040 Comp Plan approved Feb. 2020.  6.2 @ 1 STAR – city code in accordance with comp plan.  6.3 @ 1 STAR – Water and natural resources coordination and collaboration addressed in comp plan. | |
| 7. Density  any one action |  | |  | |
| 8. Mixed Uses  any one action | YES | | 8.3 @ 1 STAR - Mixed use district in city code.  8.5 @ 2 STARS - Downtown district with Hamilton Overlay allows residential and commercial. | |
| 9. Highway Development  any one action | YES | | 9.2 @ 1 STAR - TH 13 planning/studies with Met Council, Scott County; design goals in City Comp Plan; Economic Development Study. | |
| 10. Conservation Development  any one action | YES | | 10.1 @ 1 STAR - Natural Resources Operations Procedures inventory and storymap to protect and preserve wild areas.  10.3 @ 2 STARS - Tree Preservation Ordinance in 1996; Urban Forest and Shade Tree Management in City Code guides development resulting in preservation of high value trees.  10.5 @ 2 STARS - Conservation Easement with grant aid at McColl Pond Environmental Learning Center. “Big Woods” remnant adjacent to wetlands.  10.6 @ 1 STAR - Savage Fen Wetland Complex largest calcareous fen in MN (640 acres); Environmental Overlay Districts protect environmentally sensitive areas (Shoreland, wetland, bluffland); Tree Preservation Ordinance | |
| **TRANSPORTATION: 1 BP required; is 1 BP done? YES** | | | | |
| 11. Complete Green Streets  1; & one additional action | YES | | 11.1 @ 1 STAR - Complete streets policy recommended by 2040 comp plan.  11.4 @1 STAR – 2018 Pedestrian and Bicycle Master Plan. Completed gap sidewalk on McColl Dr. to Burnsville.  11.5 @ 1 STAR – completed trail connection from Providence subdivision to Community Park. | |
| 12. Mobility Options  any one action |  | |  | |
| 13. Fleets  any one action |  | |  | |
| 14. TOD / TDM  any two actions |  | |  | |
| **ENVIRON MGT: 3 BPs required; are 3 done? YES** | | | | |
| **15. Purchasing**  **1; and one additional action** | **YES** | | 15.1 @ 2 STARS - Purchasing Guidelines & Procedures Policy Nov 2020; purchasing sustainability requirements that includes EnergyStar, 30% post-consumer paper  15.2 @ 1 STAR - Community Solar Services Agreement with SunShare (Cypress Creek Renewables). 2017 valid for 25 years.  15.4 @ 1 STAR - WaterSense required by Purchasing Guidelines and Procedures Policy Nov 2020  15.7 @ 1 Star – Council and Resident Commission use electronic packets. Virtual meetings in 2020. Electronic plan review April 2021. | |
| **16. Trees**  **any one action** | **YES** | | 16.1 @ 1 STAR - TreeCityUSA since 1993  16.2 @ 3 STARS - Urban Forest & Shade Tree Management Comprehensive Manual adopted 2004 and in city code.  16.4 @ 1 STAR - Starting in 2000, street reconstruction projects include tree planting; including Hamilton District downtown area.  16.5 @ 2 STARS - Adopted Urban Forest & Shade Tree Management Ordinance 2004  16.6 @ 3 STARS - Annual training for tree care; EAB treatment discount program; EAB management plan | |
| 17. Stormwater  any one action | YES | | 17.1 @ 1 STAR - Uses MIDS. Has standards for Eagle Creek and Savage Fen.  17.3 @ 3 STARS - 2020 Ordinance for sites less than 1 acre requires stormwater on-site; volume of 1.1 inches; illicit discharge, volume reduction, erosion minimization ordinances  17.5 @ 3 STARS – Standards for imp. Surface; High Value Resource Areas  17.6 @ 1 STAR – 2019 purchased precision applicator to reduce 30% of salt/lane mile. | |
| 18. Parks & Trails  any two actions | YES | | 18.1 @ Not Rated – Ped/bike Plan 2018.  18.2 @ 2 STARS – 2040 Comp Plan – park dedication, preservation of open space, environmental overlay district; Ped/bike Plan 2018.  18.4 @ 1 STAR – Env. Learning Center 2007 stormwater plan designed to infiltrate 10-yr storm through green roofs, pervious pavement, rain gardens.  18.5 @ 2 STARS – 29 areas using native vegetation; pollinator garden at ELC. | |
| 19. Surface Water  if state public water: 4; and one additional action  if no state water: any one action | YES | | 19.1 @ 1 STAR – monitor McColl Pond 2020; 4 stormwater ponds 2019+; MC monitors Credit River and Eagle Creek  19.4 @ 1 STAR – Shoreland and Floodplain Overlay Districts; NFIP since 1974; updated FEMA maps 2021. | |
| 20. Water / Wastewater  1 & 2; and one additional | YES | | 20.1 @ 1 STAR – Observe power daily and monthly using MVEC metering. Seasonal prestartup checks annually; EOY in depth analysis.  20.2 @ 1 STAR – Annual assessment and ind. Preventative maintenance proc.  20.3 @ 1 STAR – Annual budget to line manholes during street reconstruction.  20.4 @ 1 STAR – SCADA water and lift station monitoring. | |
| 21. Septics  any one action | YES | | 21.3 @ 1 STAR – Scott County permit/license required; inspected by county.  21.4 @ 1 STAR – Scott County ordinance No. 4.  21.7 @ Not Rated – No commercial/retail/Ind. w/ ISTS. | |
| 22. Solid Waste  one from 1-3; & one from 4-8 | NO | | 22.2 @ 1 STAR – City Recycle Day annually – yard waste, appliances, E-waste, misc. | |
| 23. Local Air Quality  any one action | YES | | 23.2 @ 1 STAR – Rec. fire permit – no yard waste/trash. | |
| **ECON & COMM DVLP: 3 BPs required; are 3 done? YES** | | | | |
| **24. Benchmarks & Involvement**  **1; and any one additional** | **YES** | | 24.1 @ 1 STAR – internal green team launched Oct. 2020.  24.2 @ 1 STAR – Annual performance measures report to OSA and posted on website.  24.4 @ 1 STAR - Pet waste social media campaign #SavageScoopThePoop pledge.  24.6 @ 2 STARS - 1 year term for junior/high school students one 4 city commissions. | |
| **25. Green Businesses**  **any two actions** | **YES** | | 25.2 @ 1 STAR - Business Outreach program to connect city staff to local businesses. Include sustainability topics at meetings. “green” activities listed on Business Resource page about energy, waste, and water.  25.5 @ 2 STARS – 2016 city purchased gas station and bulk oil distribution site; over $1 million invested in soil correction and site preparation. Mixed use office/showroom/warehouse opened in 2019.  25.7 @ Not Rated – city promotes famers market; partner with Chamber of Commerce (office at City Hall). | |
| 26. Renewable Energy  any two actions | NO | | 26.4 @ - Not Rated – See 15.2  26.5 @ 1 STAR - Solar (2011) and geothermal (2009) systems at McColl Pond Environmental Learning and Event Center. | |
| 27. Local Food  any one action | YES | | 27.2 @ 1 STAR - Chickens and bees allowed in city code (animal control); permitted as accessory use in all residential districts.  27.3 @ 2 STARS – Farmers market hosted in downtown city public parking lot weekly June –Oct. | |
| 28. Business Synergies  any one action |  | |  | |
| **29. Climate Adaptation**  **action 1 at a 2 or 3-star rating** | **NO** | | 29.1 @ Not Rated – Emergency Plan APP Safety 2002  29.4 @ Not Rated – City uses Atlas 14 precipitation frequency estimates  29.4 @ 1 STAR - requires 1 foot separation from 1% flood elevation and 1 foot freeboard from overflow.  29.7 @ Not Rated – SCADA wastewater system; emergency stand-by generators; remote operation | |

**SAVAGE** – notable actions

* **Sports Dome LED project**, the total project cost was $143,594.74. The City qualified for a Center for Energy and Environment (CEE) rebate of $84,694.16. This brought the project cost down to $58,900.57. Switching to LED lights is projected to save the City $29,651.76 per year. This means the total project cost of $58,900.57 is only a 2 year payback.
* The **Gold LEED Certified** **McCool Pond Environmental Learning Center**, built in 2010, features solar and geothermal systems, walls made from wheat products, countertops made with recycled plastic, cabinets made from sunflower seeds, and a green roof.
* **2020 smart irrigation controller rebate** (with help from Metropolitan Council grant) used to purchase and install 50 residential controllers.
* **Natural Resources Operational Procedures Story Map** provides an overview of 29 natural resource open space sites that are managed by consultants each growing season.
* **Savage Fen Wetland Complex** is the largest calcareous fen in Minnesota, comprising of approximately 640 acres. This type of wetland is a rarity and contains some plant species found in few or no other locations. Its special characteristics are a product of the groundwater flowing through the upgradient aquifer and glacial till in this particular location. Protected by Environmental Overlay Districts to protect environmentally sensitive areas within the city.
* **Junior/High School Students** can serve one year terms on 4 city commissions: Advisory Communications, Economic Development, Parks, Recreation and Natural Resources, Planning.
* **Tree City USA** since 1993.
* **Emerald Ash Borer** treatment discount program 2019-2021 for homeowners.