**2020 Category A City: Rochester**

a Step Five GreenStep City as of June 2018

- joined December 2010 -

***Assessor and date****: Philipp Muessig, 1/8/2020*

**25**

***Total BPs implemented:***

|  |  |  |
| --- | --- | --- |
| Best practices (**required**) BP implemented? Action summary by # and star level achieved  Action rules (req. in **bold**) Distribution BPs done?  **YES** | | |
| **BUILDINGS: 2 BPs required; 2 BPs done?** | | |
| **1. Public**  **1 & 2; & one action from 3-7** | **YES** | 1.1: COMPLETE @ 1 STAR  1.2: COMPLETE @ 2 STARS  1.5: COMPLETE @ 1 STAR  1.7: COMPLETE @ 2 STARS – refuse-derived combined heat & power district energy system |
| 2. Private  any two actions | **YES** | 2.1: COMPLETE, 2 stars  2.5: COMPLETE, 3 stars RPU launched its Conserve & Save® Water Rebate program  2.6: COMPLETE, 2 star  2.8: COMPLETE, 1 star |
| 3. New  1 or 2; one from 3-5 | **YES** | 3.1: COMLETE @ 1 STAR  3.2: COMPLETE, 1 star  3.3: COMPLETE @ 1 STAR  3.4: COMPLETE, 3 star |
| 4. Lighting/Signals  2 actions with one from 5-8 | **YES** | 4.2: COMPLETE @ 2 STARS  4.3: COMPLETE @ 1 STAR  4.4: COMPLETE, 1 star  4.5: COMPLETE @ 1 STAR – web link is broken  4.7: no text for this action  4.8: COMPLETE, 3 star |
| 5. Reuse  any one action | **YES** | 5.1: COMPLETE, 1 star  5.2: COMPLETE, 1 star  5.3: COMPLETE @ 1 STAR  5.4: COMPLETE, 1 star  5.5: COMPLETE, 2 star  **YES** |
| **LAND USE: 2 BPs required; 2 BPs done?** | | |
| **6. Comp Plan**  **1 & 2** | **YES** | 6.1: COMPLETE, 1 star  6.2: COMPLETE, 1 star  6.3: COMPLETE, 1 star  6.4: COMPLETE, 1 star  6.5: COMPLETE, 1 star |
| 7. Density  any one action | **YES** | 7.1: COMPLETE, 1 star  7.2: COMPLETE, 2 star  7.3: COMPLETE, 2 star |
| 8. Mixed Uses  any two actions | **YES** | 8.2: COMPLETE, 1 star 8.3: COMPLETE, 1 star  8.5: COMPLETE, 3 star  8.7: COMPLETE, 2 star |
| 9. Highway Development  any one action | **YES** | 9.1: COMPLETE, 1 star  9.2: COMPLETE @ 2 STARS -- Township Cooperative Planning Association, Rochester Olmsted Council of Governments, cooperative agreements between townships and Olmsted County coordinating zoning enforcement, and the Rochester Olmsted Planning Department.  9.3: COMPLETE, 1 star  9.4: COMPLETE, 1 star |
| 10. Conservation Development  any one action | **YES** | 10.2: COMPLETE @ 3 STARS -- Rochester, and Olmsted county were early adopters of urban growth boundaries, and protecting natural resources with a goal of ensuring that growth pays for itself.  10.5: COMPLETE, 2 star  **YES** |
| **TRANSPORTATION: 2 BPs required; 3 BPs done?** | | |
| **11. Complete Green Streets**  **1; & two additional actions** | **YES** | 11.1: COMPLETE, 1 star  11.3 COMPLETE @ 2 STARS -- project contains a road diet (4-3), bike lanes on both sides, median with stormwater capture, bumpouts on both sides for parking & cross walks, sidewalks with street trees & permeable pavement.  11.4: COMPLETE, 1 star  11.5: COMPLETE, 2 star  11.6: COMPLETE, 1 star |
| **12. Mobility Options**  **any two actions** | **YES** | 12.1: COMPLETE, 1 star  12.2: COMPLETE, 2 star  12.3 COMPLETE @ 3 STARS – first-class web pages!  12.6 COMPLETE @ 1 STAR -- in 2012 added 2 new Park & Ride locations |
| 13. Fleets  any two actions | **YES** | 13.3: COMPLETE, 2 star  13.4: COMPLETE, 1 star  13.5 COMPLETE @ 2 STARS -- public school transportation service recently upgraded their computer route generating software to Transfinder  13.6: COMPLETE, 1 star |
| 14. TOD / TDM  any two actions | **YES** | 14.1: COMPLETE, 1 star  14.3: COMPLETE @ 1 STAR Nice to incentivize building-orientation for passive energy benefit  14.4: COMPLETE @ 2 STARS -- TDM plan: move SOV from 71% of all DT-bound work trips in 2008 to 60% in 2020 and 50 in 2030. |
| **YES**  **ENVIRONMENTAL MANAGEMENT: 4 BPs required; 4 BPs done?** | | |
| **15. Purchasing**  **1; and one additional action** | **YES** | 15.1 COMPLETE @ 1 STAR  15.5: COMPLETE @ 2 STARS |
| **16. Trees**  **any two actions** | **YES** | 16.1: COMPLETE, 1 star  16.3: COMPLETE @ 1 STAR -- tree canopy at 27% (potential of 47%); impervious land @ 22%  16.4 COMPLETE @ 3 STARS -- ordinance requires all new re/development either pay in lieu of or plant trees as recommended by city  16.5: COMPLETE, 1 star |
| **17. Stormwater**  **any one action** | **YES** | 17.2: COMPLETE, 1 star  17.4: COMPLETE, 3 star.  17.6: action has changed to be about salt. Impervious surface coverage of lots must not exceed twenty-five (25) percent of the lot area. |
| 18. Parks & Trails  any three actions | **YES** | 18.1: COMPLETE, 1 star  18.2: COMPLETE, 1 star  18.3: COMPLETE, 1 star  18.6: COMPLETE, 1 star  18.7: COMPLETE, 3 star  18.8: COMPLETE, 3 star |
| 19. Surface Water  if state public water: 4; and one additional action | **YES** | 19.3: COMPLETE, 1 star  19.4: COMPLETE @ 1 STAR |
| 20. Water / Wastewater  1 & 2; and one additional | **NO** | 20.6: COMPLETE, 3 stars broken URL |
| 21. Septics  any one action | **YES** | 21.5: COMPLETE, 2 stars  21.6 COMPLETE @ 1 STAR -- working in older subdivision in Oronoco township with small lot sizes to design/construct a cluster septic system to serve 13 existing sites |
| 22. Solid Waste  1 or 2; & one from 4-8 | **NO** | 22.6 COMPLETE @ 2 STARS -- residents, multi-family, commercial must recycle  22.7 COMPLETE @ 1 STAR  22.8 COMPLETE @ 1 STAR -- regulation for construction sites to enforce the separation of recycled materials and waste |
| 23. Local Air Quality  any two actions | **YES** | 23.2: COMPLETE, 1 star  23.5: COMPLETE, 2 STARS  **YES** |
| **ECON & COMMUNITY DEVELOPMENT: 3 BPs required; 3 done?** | | |
| **24. Benchmarks & Involvement**  **1 & 2** | **YES** | 24.1: COMPLETE @ 2 STARS  24.2: COMPLETE @ 1 STAR |
| **25. Green Businesses**  **any two actions** | **YES** | 25.2: COMPLETE @ 1 STAR  25.3: COMPLETE @ 1 STAR  25.5: COMPLETE @ 3 STARS Downtown Minnesota Bio Business Center designed the building, on a brownfield, to be LEED Certified |
| 26. Renewable Energy  any two actions | **YES** | 26.1: COMPLETE @ 2 STARS  26.6: COMPLETE @ 1 STAR |
| 27. Local Food  any one action | **YES** | 27.3: COMPLETE, 1 star |
| 28. Business Synergies  2, 3 or 4 | **NO** |  |

**ROCHESTER – notable actions**

* **2019 LEED Gold Certified City** – 1st city in MN to achieve this Leadership in Energy and Environmental Design status
* **First mayor in Minnesota to set a city-wide 100% renewable energy goal** (by 2031) for its electricity, its heating and cooling, and its transportation
* **Refuse-derived combined heat & power district energy** system in the city
* **Conserve & Save Water Rebate** program run by public utility
* **Urban growth boundary adopted**; cooperative agreement among townships, the County and the city coordinates zoning enforcement and planning
* **A road diet street project** converted 4 traffic lanes to 3 and includes bike lanes, parking, bumpouts, trees, sidewalks, permeable pavement and stormwater capture
* **School buses optimize routes** and cost savings using Transfinder software
* **Building orientation incentivized** to optimize passive solar energy
* **Commuter plan** is to shift single-occupancy car trips from 71% of all downtown-bound work trips in 2008 to 60% in 2020
* **Cluster septic system** being worked into older township subdivision with small lots
* **Regulation for construction waste** separation of recyclable materials and waste
* **MN Bio Business Center brownfield project**, built on a former downtown parking lot with contaminated soil, supported brownfield remediation, redevelopment, and serves as a center for innovation in biotechnology
* **$185,000/yr. in energy costs** to be saved by a GESP energy performance contract through the state with the city’s civic center on energy efficiency upgrades which will reduce energy use by 28% and net $110,000 in Rochester Public Utility rebates
* **Impervious surface coverage** of lots must not exceed 25% of the lot area