**2020 Category A City: LAKEVILLE, MN**

Currently a Step 1 GreenStep City

(joined November 2017)

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

***Assessor and date****: Philipp Muessig, 1/2/20*

**NO**

**9**

**NO**

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

***Recommend June 2020 public recognition at: Step 2 (any 8 BPs) Step 3***

Recognition at a Step 3 level involves implementing, at a minimum:

* BP 11 (Complete Streets): 3 actions
* BP 12 (Mobility Options) 2 actions
* Action 15.1 (purchasing policy)
* BP 24 (Engagement, Metrics): 2 actions
* BP 25 (Green Business): 2 actions
* Action 29.1 (emergency preparedness)
* 1 additional best practice

\* note: requirements are for Step 3 recognition

|  |  |  |
| --- | --- | --- |
| Best practices (**required in bold**) BP implemented? Action summary by # and star level achieved  Action rules (req. actions in **bold**) | | |
| **YES**  **BUILDINGS: distribution requirement is 2 BPs ; are 2 BPs done?** | | |
| **1. Public**  **Actions 1 & 2; & one action from actions 3-7** | **YES** | 1.1 COMPLETE @ 3 STARS – data since 2010; trends for each building are reviewed periodically to gauge energy performance and look for ways to improve efficiency  1.2 COMPLETE @ 3 STARS -- 2018 updates to building automation software in 12 buildings; 4x/yr. filter changes; occupancy sensors in garage; high-efficiency condensing boiler; LED lighting retrofits when tubes need replacement  1.3 COMPLETE @ 3 STARS -- lighting upgrades, HVAC improvements, and building envelope improvements, potential savings total over $161,000 |
| 2. Private  any two actions | **YES** | 2.1 COMPLETE @ 3 STARS – 2018 City began irrigation audits, at 2 home-owners’ associations to review system components (controllers, sprinkler heads, rain sensing technology), scheduling practices, and uniformity of water application  2.5 COMPLETE @ 1 STAR -- 2007 water use ordinance restricts watering between 11:00 – 5:00 daily |
| 3. New  action 1 or 2; one from 3-5 |  |  |
| 4. Lighting/Signals  2 actions with one from 5-8 | **YES** | 4.1 COMPLETE @ 3 STARS -- ordinance requires that new street lights, public & private building exterior lights, and parking lot lights for City-owned AND private buildings/facilities be dark sky-compliant  4.5 COMPLETE @ 2 STARS -- solar-powered LEDs – permanent and movable - used in driver feedback sign displays, at school zone and park pedestrian crossings & as needed for traffic calming/safety  4.6 COMPLETE @ 3 STARS -- 3 parking lots at City facilities relamped with Dark Sky-compliant LED lighting; all replacements for wall packs & bollard lighting are the same; 2019+ city plan to relamp exterior lighting of all city facilities |
| 5. Reuse  any one action |  |  |
| **YES**  **LAND USE: 2 BPs required; are 2 BPs done?** | | |
| **6. Comp Plan**  **Actions 1 & 2** | **YES** | 6.1 COMPLETE @ 3 STARS -- 20-yr. Comp Plan and 2020-2024 CIP addresses the importance of sustainability as an underlying theme for all elements in the plan, addresses infill growth, concurrency & phased expansion  6.2 COMPLETE @ 3 STARS – over 40 references to the Comprehensive Plan exist in the zoning code and related documents |
| 7. Density  any one action |  |  |
| 8. Mixed Uses  any two actions |  |  |
| 9. Highway Development  any one action |  |  |
| 10. Conservation Development  any one action | **YES** | 10.6 COMPLETE @ 2 STARS -- zoning ordinances identify specific development requirements for shoreland overlay districts, public and open space districts, flood plain overlay districts; <6” tree preservation  **NO** |
| **TRANSPORTATION: 2 BPs required; are 2 BPs done?** | | |
| **11. Complete Green Streets**  **1; & two additional actions** | **NO** |  |
| **12. Mobility Options**  **any two actions** | **NO** |  |
| 13. Fleets  any two actions |  |  |
| 14. TOD / TDM  any two actions |  | **YES** |
| **ENVIRONMENTAL MANAGEMENT: 4 BPs required; are 4 done?** | | |
| **15. Purchasing**  **1; and one additional action** | **NO** | 15.5 COMPLETE @ 2 STARS – road projects include recycled concrete up to 40/50% by volume in the base/wear course, old asphalt in base course |
| **16. Trees**  **any two actions** | **YES** | 16.1 COMPLETE @ 1 STAR -- Tree City for 25 years in 2019  16.5 COMPLETE @ 3 STARS -- owners/developers prepare a tree preservation plan for each graded lot; security deposit; tree loss replaced at 2-1 |
| **17. Stormwater**  **any one action** | **YES** | 17.5 COMPLETE @ 1 STAR – City design standards for rain gardens / infiltration practices; 2 design workshops/yr. with Dakota Co. SWCD |
| 18. Parks & Trails  any three actions |  |  |
| 19. Surface Water  if state public water: 4; and one additional action  if no state water: any one action |  | 19.3 COMPLETE @ 2 STARS -- extensive lake, wetland professional/ volunteer monitoring and ext. annual report thereon  19.4 COMPLETE @ 3 STARS -- shoreland overlay district, CUPs required; for PUDs 50%+ in open space, 50-70% of shore impact zone left in natural state; generally 75%+ pervious required |
| 20. Water / Wastewater  1 & 2; and one additional | **YES** | 20.1 COMPLETE @ 3 STARS – 7% energy use reduction at water plant, per 1000 gallons, 2008-2016; VF drives save on demand charges; in peak shaving program  20.2 COMPLETE @ 3 STARS -- thorough monitoring and planning for routine rehabbing of water production wells  20.3 COMPLETE @ 2 STARS -- I&I program includes selective placement of flow meters to target televising/lining; maintenance hole sealing; staff contact with property owners about disconnects |
| 21. Septics  any one action | **YES** | 21.4 COMPLETE @ 2 STARS -- City adopted, with amendments, the Dakota County subsurface sewage treatment ordinance |
| 22. Solid Waste  1 or 2; & one from 4-8 |  |  |
| 23. Local Air Quality  any two actions |  | **NO** |
| **ECON & COMM DVLP: 3 BPs required; are 3 done?** | | |
| **24. Benchmarks & Involvement**  **Actions 1 & 2** | **NO** |  |
| **25. Green Businesses**  **any two actions** | **NO** |  |
| 26. Renewable Energy  any two actions |  |  |
| 27. Local Food  any one action |  |  |
| 28. Business Synergies  action 2, 3 or 4 |  |  |
| **29. Climate Adaptation**  **action 1**  (includes targeted emergency communications in appropriate languages for vulnerable populations) | **NO** |  |

**LAKEVILLE**

* **Dark Sky-compliant lights required** for City-owned and private parking lots, new street lights, and private and public building exterior lights
* **Extensive lake, wetland monitoring,** and annual reporting, by professionals & volunteers
* **Shoreland overlay district**, CUPs required; for PUDs 50%+ in open space, 50-70% of shore impact zone left in natural state; generally  75%+ pervious required
* **7% energy use reduction at water plant, per 1000 gallons, 2008-2016**
* **2018 City irrigation audits** at 2 home-owners’ associations to review system components (controllers, sprinkler heads, rain sensing technology), scheduling practices, and uniformity of water application
* **No watering between 11 – 5 daily** by 2007 water use ordinance
* **$161,000 potential yearly savings** from lighting upgrades, HVAC improvements, City building envelope improvements