**2020 Category B City: LAKE CRYSTAL**

Currently a Step Two GreenStep City as of June 2014

- joined April 2013 -

**X**

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

***Assessor and date****: Philipp Muessig, 3/10/20*

**NO**

**NO**

**11**

***Total BPs done out of 12: All required\* BPs done? BP distribution requirement\* met?***

***Recommend new June public recognition at: Step 3***

Recognition at a Step 3 level involves implementing, at a minimum, these remaining actions:

* 6.1 & 6.2 (Comp. Plan)
* 1 Tree action (BP 16)
* 1 Green Business action (BP 25)
* 29.1 (emergency management)

\* requirements are for Step 3 recognition

|  |  |  |
| --- | --- | --- |
| Best practices (**required**) BP implemented? Action summary by # and star level achieved  Action rules (req. actions in **bold**) ***Distribution BPs done?***  **YES** | | |
| **BUILDINGS: 2 BPs required; are 2 done?** | | |
| **1. Public**  **Actions 1 & 2** | **YES** | 1.1 COMPLETE @ 3 STARS  1.2 COMPLETE @ 2 STARS |
| 2. Private  any one action | **YES** | 2.1 COMPLETE @ 3 STARS -- 97 (200 is the goal) households signed up to participate in MU load mgt. program  2.6 COMPLETE @ 2 STARS |
| 3. New  any one action |  |  |
| 4. Lighting/Signals  2 actions; one from 5-8 |  |  |
| 5. Reuse  any one action |  | **NO** |
| **LAND USE: 2 BPs required; are 2 done?** | | |
| **6. Comp Plan**  **Actions 1 & 2** | **NO** |  |
| 7. Density  any one action |  |  |
| 8. Mixed Uses  any one action |  |  |
| 9. Highway Development  any one action | **YES** | 9.1 COMPLETE @ 2 STARS – 2019 strategic plan for an industrial park with design goals (including walkability, aesthetics, lake pollution remediation) for auto-oriented corridor  9.2 COMPLETE @ 1 STAR – participation with Region Nine Development Commission, Greater Mankato Growth. |
| 10. Conservation Development  any one action |  |  |
| **YES**  **TRANSPORTATION: 1 BP required; is 1 done?** | | |
| 11. Complete Green Streets  1; & one additional action |  |  |
| 12. Mobility Options  any one action | **YES** | 12.2 COMPLETE @ 1 STAR -- awarded an SRTS grant for $160K |
| 13. Fleets  any one action | **YES** | 13.2 COMPLETE @ 1 STAR -- hybrid police vehicle added to fleet after fleet evaluation; is estimated to have a 3-year return on investment |
| 14. TOD / TDM  any two actions |  | **YES** |
| **ENVIRONMENTAL MGT: 3 BPs required; are 3 done?** | | |
| **15. Purchasing**  **1; and one additional action** | **YES** | 15.1 COMPLETE @ 2 STARS  15.2 COMPLETE @ 1 STAR – 15% renewable electricity |
| **16. Trees**  **any one action** | **NO** |  |
| 17. Stormwater  any one action | **YES** | 17.2 COMPLETE @ 2 STARS – completed Blue Star Assessment  17.3 COMPLETE @ 1 STAR -- Adopt-a-drain Program was created by Crystal Waters Project in 2014  17.5 COMPLETE @ 2 STARS – civic organization Crystal Waters Project launched "Landscaping for Crystal Waters" in 2019 to assist residents (including $150-$500 grants) in planting rain gardens and restoring/preserving their shorelines |
| 18. Parks & Trails  any two actions | **NO** | 18.1 COMPLETE @ 2 STARS – substantial 2018 park improvements (pollinator gardens, interpretive signs, rain gardens, shoreline restoration, fishing pier, ADA trail, restroom) |
| 19. Surface Water  if state public water: 4; and one additional action  others: any one action | **YES** | 19.2 COMPLETE @ 3 STARS -- 1st MN iron-sand filter installed at the end of a field's drainage tile to trap phosphorus before it pollutes the lake; annual Duck Days (hosted by local Chamber), annual fall Rake for the Lake event, over 70 storm drains adopted  19.4 COMPLETE @ 1 STAR  19.5 COMPLETE @ 2 STARS -- Crystal Waters Project: 2017 2-phase lakeshore restoration plan for over 8,000 sq. ft. of lakeshore stabilization and native species plants |
| 20. Water / Wastewater  1 & 2; and one additional |  |  |
| 21. Septics any one action |  |  |
| 22. Solid Waste  one from 1-3; & one from 4-8 | **NO** | 22.5 COMPLETE @ 2 STARS -- organics recycling program in School District (1000 students; 2 buildings) & with over 37 households in multi-city Zero Waste Composting program  22.6 COMPLETE @ 3 STARS – organized collection of recycling & garbage from residential properties including multi-family |
| 23. Local Air Quality  any one action | **YES** | 23.2 COMPLETE @ 1 STAR  **NO** |
| **ECON & COMM DEVELOP: 3 BPs required; are 3 done?** | | |
| **24. Benchmarks & Involvement**  **1; and one additional action** | **YES** | 24.1 COMPLETE @ 2 STARS – city staff/elected/citizens  24.4 COMPLETE @ 2 STARS |
| **25. Green Businesses**  **any two actions** | **NO** | 25.1 COMPLETE @ 1 STAR -- 0% interest loans for commercial energy efficiency improvements |
| 26. Renewable Energy  any two actions |  |  |
| 27. Local Food any one action | **YES** | 27.3 COMPLETE @ 2 STARS – farmer’s market, community garden managed by students with food shelf donations; Welsh Heritage Orchard has a retail store |
| 28. Business Synergies  2, 3 or 4 |  |  |
| **29. Climate Adaptation**  **Action #**1  (Category A & B cities must achieve a 1-star rating plus either a 2- or 3- star rating for Step 3 recognition). | **NO** |  |

**LAKE CRYSTAL –** notable actions

* **1st MN iron-sand filter installed at the end of a field's drainage tile** to trap phosphorus before it pollutes the lake
* **2019 strategic plan for an industrial park** with design goals (including walkability, aesthetics, lake pollution remediation) and community input, for an auto-oriented corridor
* **Landscaping for Crystal Waters** launched by citizens Crystal Waters Project in 2019 to assist residents (including $150-$500 grants) in planting rain gardens and restoring/preserving their shorelines
* **2018 park improvements**: pollinator gardens, interpretive signs, rain gardens, shoreline restoration, fishing pier, ADA trail, restroom
* **0% interest loans** for commercial energy efficiency improvements