**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

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| 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 STARS1.2 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. program2.6 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 corridor9.2 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 STARS15.2 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 Assessment17.3 COMPLETE @ 1 STAR -- Adopt-a-drain Program was created by Crystal Waters Project in 201417.5 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 adopted19.4 COMPLETE @ 1 STAR19.5 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 program22.6 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/citizens24.4 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