**2020 Category B GreenStep Community: LEECH LAKE BAND OF OJIBWE**

Currently a Step 2 GreenStep City as of June 2015

- joined August 2014 -

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

***Assessor and date****: Philipp Muessig, 10/31/19*

**YES**

**21**

**NO**

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

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

Recognition at a Step 3 level involves completion of:

* BP #15 (Environmental Purchasing): action 1 and one other action

*\* 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 done?** | | |
| **1. Public**  **Actions 1 & 2** | **YES** | 1.1 COMPLETE @ 3 STARS -- 68 Tribal-owned buildings, 148 total utility meters, savings potentials IDed, GESP being considered  1.2 COMPLETE @ 1 STAR -- outreach campaign involving reminders to staff  1.3 COMPLETE @ 3 STARS -- working to install 200Kw solar PV on the Reservation & implementing a 22-building GESP anticipated to save over $800,000 and 9,839 metric tons of GHG emissions per year  1.4 COMPLETE @ 1 STAR -- new lighting in facility center; outreach campaign  1.5 COMPLETED @ 1 STAR – LLBO Green Team works with core construction committees to implement green practices on each new construction project.  1.7 UNDERWAY -- feasibility study for wind & solar furnace on campus at the BugONayGeShig school |
| 2. Private  any one action | **YES** | 2.1 COMPLETE @ 1 STAR  2.2 COMPLETE @ 2 STARS – LLBO Green Team has direct input at planning and construction meetings (of private buildings and public?)  2.4 COMPLETE @ 1 STAR -- Promoted native vegetation to eliminate irrigation |
| 3. New  any one action | **YES** | 3.1 COMPLETE @ 1 STAR – energy efficient lighting, heating, high r-value insulation, passive solar/lighting, orientation of building encouraged depending on specific building proposed and budget  3.5 COMPLETE @ 1 STAR –LL Housing Authority renewable energy and land use ordinance which requires adopting storm water guidelines |
| 4. Lighting/Signals  2 actions; one from 5-8 | **YES** | 4.1 COMPLETE @ 3 STARS – efficient, Dark Sky lights required for new construction  4.5 COMPLETE @ 2 STARS -- PV lighting at Tribal Council Admin. building |
| 5. Reuse  any one action |  |  |
| **YES**  **LAND USE: 2 BPs required\*; are 2 done?** | | |
| **6. Comp Plan**  **Action 1 & 2** | **YES** | 6.1 COMPLETE @ 1 STAR -- Leech Lake Land Use Ordinance is in place which regulates both fee and trust lands  6.2 COMPLETE @ 1 STAR -- Ordinance serves the land use plan  6.3 COMPLETE @ 1 STAR |
| 7. Density  any one action |  |  |
| 8. Mixed Uses  any one action | **YES** | 8.2 COMPLETE @ 1 STAR -- new Tribal Headquarters & Tribal-Owned gas station, Che We |
| 9. Highway Development  any one action | **YES** | 9.2 COMPLETE @ 1 STAR – Tribe consults with MN Regional Transportation Committee regularly |
| 10. Conservation Development  any one action | **YES** | 10.1COMPLETE @ 1 STAR – LU ord. has environmental checklist comparable to NRA  10.4 COMPLETE @ 1 STAR  **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 @ 2 STARS -- diabetes & exercise campaigns through which bike/walking trails promoted  12.5 COMPLETE @ 1 STAR -- some tribal employees telecommute or work 4-day/10-hr shifts  12.6 COMPLETE @ 2 STARS – LL Fitness Center available to wider public and has bicycles for rent |
| 13. Fleets  any one action | **YES** | 13.1 COMPLETE @ 1 STAR -- Palace Casino Transport for employees, Tribal members. Fleet Mgt. works with employees on trip bundle, etc.  13.5 COMPLETE @ 1 STAR -- idling reduction campaign; yearly sch. bus optimization; 65 school busses retrofitted for energy efficiency  13.6 COMPLETE @ 1 STAR -- retrofitted 65 buses, 25 DOCs, 2 DMFs & 4 re-powers |
| 14. TOD / TDM  any two actions |  | **YES** |
| **ENVIRONMENTAL MGT: 3 BPs required\*; are 3 done?** | | |
| **15. Purchasing**  **1; and one additional action** | **NO** |  |
| **16. Trees**  **any one action** | **YES** | 16.4 COMPLETE @ 1 STAR  16.5 COMPLETE @ 1 STAR -- reforesting to native species, removal of non-natives takes place throughout the reservation |
| 17. Stormwater  any one action | **YES** | 17.5 COMPLETE @ 1 STAR -- rain gardens @ Tribal HQ, proposed in all new construction projects  17.6 [action is now a road salt one] – LU ord. covers erosion & sediment control, storm water treatment |
| 18. Parks & Trails  any two actions | **YES** | 18.1 COMPLETE @ 2 STARS -- trails placed near Tribal Communities as part of larger transportation projects  18.2 COMPLETE @ 1 STAR -- new housing projects contain plans for green space  18.5 COMPLETE @ 2 STARS – natives, IPM, rain gardens  18.8 COMPLETE @ 2 STARS -- Community members involved in restoration; NR committee incl. elders; members hired to do projects |
| 19. Surface Water  if state public water: 4; and one additional action  others: any one action | **YES** | 19.2 COMPLETE @ 1 STAR -- members converse regularly about WQ prevention, maintenance & degradation in public & private forums  19.3 COMPLETE @ 1 STAR – work with MPCA, 5 SWCDs, lake associations, Mississippi Headwaters Association  19.4 COMPLETE @ 1 STAR |
| 20. Water / Wastewater  1 & 2; and one additional | **NO** | 20.1 COMPLETE @ 1 STAR -- pilot project with 2 communities by Extension |
| 21. Septics  any one action | **YES** | 21.1 COMPLETE @ 1 STAR  21.5 COMPLETE @ 1 STAR -- EPA funding through IHS  21.6 COMPLETE @ 2 STAR -- recirculating ozone system @ Northern Lights Casino |
| 22. Solid Waste  one from 1-3; & one from 4-8 | **YES** | 22.1 COMPLETE @ 3 STARS -- Composting projects throughout the reservation have created a 25% reduction in the waste stream  22.2 [action is now a consumer products and packaging one] -- goal of 25% all-waste decrease through-out reservation  22.3 COMPLETE @ 1 STAR  22.5 COMPLETE @ 1 STAR -- commercial-sized composting bins throughout reservation; outreach campaign, individual composter sales at events (sold 80 earth machine composters at reduced rates)  22.7 would need volume-based pricing or organized collection for tribal members to claim credit |
| 23. Local Air Quality  any one action | **YES** | 23.1 COMPLETE @ 1 STAR -- Burn Wise educational campaign  23.2 COMPLETE @ 1 STAR -- open burning, burn barrel & fire prevention ordinance  23.3 COMPLETE @ 3 STARS -- Housing Authority has a no-smoking policy in certain community developments  **YES** |
| **ECON & COMM DEVELOP: 2 BPs required\*; are 2 done?** | | |
| **24. Benchmarks & Involvement**  **1; and one additional action** | **YES** | 24.1 COMPLETE @ 2 STARS – LL Green Team: employees & community members; to promote traditional teachings, sustainability, green ideas  24.2 could post a report of goals & outcome measures from tribal plans here  24.3 COMPLETE @ 1 STAR -- Green Team plays a big part in the public process and involving Tribal Council on process of sustainability efforts  24.4 COMPLETE @ 2 STARS -- outreach at each community event, ads, newspaper articles, radio show on Tribal radio KOJB; Summer Youth Experience Program; environmental staff presentations to local schools  24.5 COMPLETE @ 2 STARS – focus on reconnecting members to traditional knowledge and skills |
| **25. Green Businesses**  **any two actions** | **YES** | 25.2 COMPLETE @ 1 STAR -- work with Ottertail Power  25.3 COMPLETE @ 2 STARS -- Green Routes promotion of tourism and hospitality businesses from Star Island to Deer River  25.5 COMPLETE @ 2 STARS -- multiple brownfield projects completed / in- process. Leech Lake a leader in the Tribal Brownfield program arena  25.7 COMPLETE @ 1 STAR -- local foods map shows where local food is grown, distributed and sold |
| 26. Renewable Energy (any 2) | **NO** | 26.5 COMPLETE @ 1 STAR – 2 solar furnaces: 24m & 35m BTUs |
| 27. Local Food  any one action | **YES** | 27.1 COMPLETE @ 2 STARS -- land use ordinance protects agriculture and forests  27.2 COMPLETE @ 1 STAR -- 80 residential gardens; 1 community garden; 4 new community gardens in 2015  27.3 COMPLETE @ 1 STAR -- farmers market planned; community garden is located at the Bug-O-Nay-Ge-Shig Tribal school |
| 28. Business Synergies (2,3or4) | **NO** | 28.3 this action is only for an industrial/business park |
| **29. Climate Adaptation**  **Action 1** | **YES** | 29.1 COMPLETE @ 2 STARS -- FEMA-approved Tribal Hazard Mitigation Plan; 14 weather warning sirens; 12 American Red Cross shelters with some back-up power, with bottled water  29.8 COMPLETE @ 1 STAR -- Installed 40kW of solar energy to benefit up to 100 low-income households in the Energy Assistance Program |

**LEECH LAKE BAND OF OJIBWE** – notable actions

* **First community solar garden in an Indian Nation in the country**. The electricity will be designated to recipients of Minnesota's Low-Income Home Energy Assistance Program (LIHEAP). Leech Lake Tribal College graduates will install the solar panels.
* **Dark Sky, energy efficient outdoor lighting** required for new construction on Tribal Lands
* **25% reduction in solid waste** achieved through organics composting projects
* **National leader in the Tribal Brownfield program arena**