**2020 Category A City: AUSTIN**

a Step Three GreenStep City as of June 2016

(Joined 7/18/11)

***Assessor and date****: Philipp Muessig, 11/7/19*

**21**

***Total BPs implemented:***

|  |  |  |
| --- | --- | --- |
| Best practices (**required**) BP implemented? Action summary by # and star level achieved  Action rules (req. in **bold**)  **YES** | | |
| **BUILDINGS: 2 BPs required; 2 BPs done?** | | |
| **1. Public**  **1 & 2; & one action from 3-7** | **Yes** | 1.1 Complete-Star 3 -- quarterly entry; reports to council & department heads; assessment of energy saving opportunities in 3 buildings; considered GESP  1.2 COMPLETE @ 3 STARS -- Since 2011 over $70,000 in energy efficiency equipment rebates saved 617,898 kWh and 30885 therms of gas; 4 bldgs. reduced energy by more than 10%  1.3 COMPLETE @ 2 STARS – City completed LED retrofits that paid-back under 2 yrs.; boiler/water heater upgrades at elementary/middle school via energy performance contract achieved a 17+% & 1% energy use reduction  1.4 COMPLETE @ 3 STARS -- Energy use at City Office building increased 11% prior to adoption of employee energy policy, decreased 3% after  1.5 COMPLETE @ 2 STARS – new 2013 middle school utilizing LEED: Energy Star score of 96; thermal energy storage, intelligent toilet flush valves, hydration stations, daylight harvesting, chilled beam ventilation, LEDs; 77.24 kbtu/SF/yr. cut in 2nd yr. to 60.48 kbtu/SF/yr  1.6 COMPLETE @ 2 STARS –Green Seal cleaning supplies used whenever feasible in school bldgs. (37% in kindergarten); average Energy Star score across 8 school bldgs. of 93; building automation upgrades at each; monthly reports to ID operations and maintenance needs and behavior changes needed to reduce energy use  1.7 Complete- star 1 |
| 2. Private  any two actions | **Yes** | 2.1 Complete: Star 2 Home Energy Reports (HER) are mailed bi-monthly, have personalized information about energy usage in each home, and offer easy-to-follow tips.  2.4 Complete: Star 2 -- Hormel Foods - T8s, LEDs, bldg. benchmarking, LEED Gold addition with credits for multi-level lighting control & daylight harvesting, rainwater collection, sub-soil drainage, dual-flush water closets, low flush urinals, low-flow lavatories, low-flow showers, and low-flow kitchen sinks  2.5 Complete: Star 3 Austin Utilities currently offers an extensive rebate program promoting the purchase of Energy Star and Water Sense appliances. |
| 3. New  1 or 2; one from 3-5 | **Yes** | 3.2 Complete: 1 star  3.4 Complete: 2 stars |
| 4. Lighting/Signals  2 actions with one from 5-8 | **Yes** | 4.4 Complete: 1 star  4.5 Complete: 2 stars  4.6: Complete: 1 star  4.7: Complete: 1 star  4.8: Complete: 2 stars |
| 5. Reuse  any one action | **Yes** | 5.3 Complete-Star 1 |
| **YES**  **LAND USE: 2 BPs required; 2 BPs done?** | | |
| **6. Comp Plan**  **1 & 2** | **YES** | 6.1 COMPLETE @ 2 STARS – sustainability & resiliency included in plan to be adopted Nov. 2016  6.2 Complete: Star 1  6.3 Complete: Star 1  6.4 Complete: Star 1  6.5 short of the 1-star level, which is energy or climate goals above the state energy code |
| 7. Density  any one action | **Yes** | 7.2 COMPLETE @ 1 STAR  7.3 Complete: Star 1  7.4 Complete: Star 1 |
| 8. Mixed Uses  any two actions | **Yes** | 8.1 Complete: Star 1  8.2 Complete: Star 1  8.3 Complete: Star 1  8.5 Complete: Star 1  8.7 short of the 1-star level, which is about policy incentives for all future vertical mixed-use development |
| 9. Highway Development  any one action | **Yes** | 9.3 Complete: Star 1  9.4 Unclear: does zoning allow only highway-dependent commercial / industrial in the NW retail development? |
| 10. Conservation Development  any one action |  |  |
| **YES**  **TRANSPORTATION: 2 BPs required; 2 BPs done?** | | |
| **11. Complete Green Streets**  **1; & two additional actions** | **YES** | 11.1 Complete – Star 2  11.3 COMPLETE @ 1 STAR – bikes lane, trees  11.5 COMPLETE @ 2 STARS -- bike lanes/racks, maps, SRTS, trail gaps completed, red bikes |
| **12. Mobility Options**  **any two actions** | **Yes** | 12.1 Complete-Star 2  12.2 COMPLETE @ 1 STAR  12.3 Complete: Star 1  12.4 Complete: Star 1  12.6 Complete: Stars 2 – free 2016 30-bike-share program |
| 13. Fleets  any two actions | **Yes** | 13.2 COMPLETE @ 1 STAR  13.3 Complete: Star 1  13.4 Complete: Star 1  13.5 Complete: Star 1  13.6 COMPLETE @ 1 STAR |
| 14. TOD / TDM  any two actions |  | **YES** |
| **ENVIRONMENTAL MGT: 4 BPs required; 4 BPs done?** | | |
| **15. Purchasing**  **1; and one additional action** | **YES** | 15.1 COMPLETE @ 2 STARS – May 2015 resolution  15.2: Complete @ 1 star  15.7 Complete @ 1 star |
| **16. Trees**  **any two actions** | **Yes** | 16.1: Complete @ 2 stars  16.5: Complete @ 1 star |
| **17. Stormwater**  **any one action** | **Yes** | 17.4: Complete @ 1 star  17.5: Complete @ 1 star  17.6 The GreenStep program removed this action about sediment and runoff because it gave credit for regulatory requirements |
| 18. Parks & Trails  any three actions | **No** | 18.7: Complete @ 1 star  18.8: Complete @ 1 star |
| 19. Surface Water  if state public water: 4; and one additional action  if no state water: any one action | **Yes** | 19.3 Complete-Star 1 (please list water improvement goals/targets)  19.4 Complete- Star 1 |
| 20. Water / Wastewater  1 & 2; and one additional | **No** | 20.2 Complete-Star 1  20.3: Complete @ 1 star  20.6: Complete @ 3 stars (WWTP cogeneration; greywater reuse in business) |
| 21. Septics  any one action | **Yes** | 21.1: Complete @ 2 stars  21.2: Complete @ 1 star  21.3: Complete @ 2 stars  21.4: Complete @ 2 stars – city ordinance based off of Co. ordinance  21.5: Complete @ 1 star  21.6: Complete @ 1 star |
| 22. Solid Waste  1 or 2; & one from 4-8 | **No** | 22.3: Complete @ 1 star  22.7: Complete @ 1 star |
| 23. Local Air Quality  any two actions | **No** | 23.5 COMPLETE @ 2 STARS  **YES** |
| **ECON & COMM DEVELOPMENT: 3 BPs required; 3 BPs done?** | | |
| **24. Benchmarks & Involvement**  **1 & 2** | **YES** | 24.1: Complete @ 1 star – Council Member chair of Sustainability Task Force  24.2 COMPLETE @ 1 STAR -- DT Plan report, Park & Rec Annual Report, Vision 2020 tracking.  24.3: Underway  24.4 Complete: Star 1 |
| **25. Green Businesses**  **any two actions** | **YES** | 25.1 COMPLETE @ 3 STARS -- City provided location for the La Surena Cooperative, an Latino Economic Development Center-sponsored project growing organic produce; support from community college  25.7 COMPLETE @ 3 STARS -- Austin Chamber “Buy Mower Grow Mower” shop local campaign est. 2008; retail sales tax collections are double initial projections; incl. Chamber Bucks to be redeemed at local businesses; active TV campaign promoting buy local |
| 26. Renewable Energy  any two actions | **Yes** | 26.1: Complete @ 1 stars  26.6: Complete @ 3 stars |
| 27. Local Food  any one action | **Yes** | 27.2 Complete @ 1 star  27.3 Complete @ 1 star  27.4 Complete @ 1 star |
| 28. Business Synergies  2, 3 or 4 | **No** | 28.3 good elements at Riverland but this action relates to elements at a private business development |
| **29. Climate Adaptation**  **action 1** | **YES** | 29.1 COMPLETE @ 1 STAR – coordination with county; need to ID responsible person; Sustainability and resilience planning is included in the updated Comprehensive Plan which will be adopted in November of 2016. Brian Ross, consultant, held a public workshop on Land Use Sustainability and Resilience in Austin on April 14, 2016 with several members of the Sustainability Task Force and Comprehensive Plan Steering Committee in attendance.  29.2 COMPLETE @ 2 STARS -- did a population vulnerability analysis to be included in the Nov. 2016 comp plan; summary vulnerability table, along with a public meeting and a short report in 2016  29.3 COMPLETE @ 1 STAR -- a 2016 outreach/survey effort around sustainability/resilience to most vulnerable residents (primarily immigrant populations), via the Welcome Center; focus group also; new Welcome Center materials on emergency and weather-related concerns |

**AUSTIN** – notable actions

* **Austin Chamber ’s “Buy Mower Grow Mower” shop local campaign includes Chamber Bucks** for local spending and TV promotion; increased retail sales tax collections are double initial projections
* **City provided location for the La Surena Cooperative**, a Latino Economic Development Center-sponsored project growing organic produce
* **Over $70,000 in energy efficiency equipment rebates** since 2011 in city buildings saved 617,898 kWh and 30,885 therms of gas; 4 buildings reduced energy by more than 10%; city building LED retrofit costs paid for themselves in under 2 years; energy use at city office building increased 11% prior to adoption of employee energy policy, decreased 3% after
* **17% energy use reduction** from boiler/water heater upgrades at elementary school via energy performance contract achieved; 2013 middle school utilized LEED standards: scored 96 on Energy Star rating; includes thermal energy storage, intelligent toilet flush valves, hydration stations, daylight harvesting, chilled beam ventilation, LEDs; 77 kbtu/SF/yr. cut in 2nd yr. to 60 kbtu/SF/yr
* **Green Seal cleaning supplies** used in school buildings; average Energy Star score across 8 school buildings of 93; building automation upgrades at each school building; monthly energy reports on school buildings identify operations and maintenance needs and behavior changes needed
* **Bi-monthly home energy reports** included in the utility bill with customized energy saving advice
* **Recognized as a Tree City USA** for 34 years
* **Purchase of Energy Star and Water Sense appliances** promoted by Austin Utilities via extensive rebate program
* **Waste water plant saves energy by biodigesting** waste to produce heat and electricity used on-site
* **Climate Resilience & Population Vulnerability Report** produced and worked into updated Comprehensive Plan