**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 GESP1.2 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/yr1.6 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 use1.7 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 sinks2.5 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 star3.4 Complete: 2 stars |
| 4. Lighting/Signals 2 actions with one from 5-8 | **Yes** | 4.4 Complete: 1 star4.5 Complete: 2 stars4.6: Complete: 1 star4.7: Complete: 1 star4.8: 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 16.4 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 17.4 Complete: Star 1  |
| 8. Mixed Uses any two actions | **Yes** | 8.1 Complete: Star 1 8.2 Complete: Star 18.3 Complete: Star 1 8.5 Complete: Star 18.7 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 19.4 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 211.3 COMPLETE @ 1 STAR – bikes lane, trees11.5 COMPLETE @ 2 STARS -- bike lanes/racks, maps, SRTS, trail gaps completed, red bikes |
| **12. Mobility Options** **any two actions** | **Yes** | 12.1 Complete-Star 212.2 COMPLETE @ 1 STAR12.3 Complete: Star 112.4 Complete: Star 112.6 Complete: Stars 2 – free 2016 30-bike-share program |
| 13. Fleets any two actions | **Yes** | 13.2 COMPLETE @ 1 STAR13.3 Complete: Star 113.4 Complete: Star 113.5 Complete: Star 113.6 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 star15.7 Complete @ 1 star |
| **16. Trees** **any two actions** | **Yes** | 16.1: Complete @ 2 stars16.5: Complete @ 1 star  |
| **17. Stormwater** **any one action** | **Yes** | 17.4: Complete @ 1 star17.5: Complete @ 1 star17.6 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 star18.8: Complete @ 1 star |
| 19. Surface Water if state public water: 4; and one additional actionif 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 120.3: Complete @ 1 star20.6: Complete @ 3 stars (WWTP cogeneration; greywater reuse in business) |
| 21. Septics any one action | **Yes** | 21.1: Complete @ 2 stars21.2: Complete @ 1 star21.3: Complete @ 2 stars21.4: Complete @ 2 stars – city ordinance based off of Co. ordinance21.5: Complete @ 1 star21.6: Complete @ 1 star |
| 22. Solid Waste 1 or 2; & one from 4-8 | **No** | 22.3: Complete @ 1 star22.7: 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 Force24.2 COMPLETE @ 1 STAR -- DT Plan report, Park & Rec Annual Report, Vision 2020 tracking.24.3: Underway24.4 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 college25.7 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 stars26.6: Complete @ 3 stars |
| 27. Local Food any one action | **Yes** | 27.2 Complete @ 1 star27.3 Complete @ 1 star27.4 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 201629.3 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