

Appendix B: Energy and Sustainability Goals – Updated January 2021

Pillar	Goal	Timeline
Environmental Responsibility	Energy Efficiency	
	Goal 1: Determine the baseline energy consumption for local government operations (LGO) by 2018 through tracking, reporting and online tools.	2018
	1. Determine the baseline for energy consumption of local government operations (LGO)	
	AEP to provide baseline data	
	2. Continue to track the LGO energy consumption using ENERGYSTAR® Portfolio Manager	
	Update and run once/year	
	Goal 2. Reduce LGO energy consumption by 3% from 2016 baseline	2020
	1. Upgrade existing lighting in city owned buildings and facilities with light emitting diode (LED) lamps	
	All Park Pavilions, Pickleball Courts, City Hall, Secondary buildings at PPM (Tin Shed, Salt Dome, Salt/sweepings shed, water shed) have all been upgraded to LED. Utilities have added 3 VGD's on large pumps since last update.	
	2. Replace all (6) circulation pumps that serve the three pools with variable-frequency drives (VFD)	
	No installation has been completed. Research and cost analysis has been conducted.	
	3. Re-assess or conduct a street lighting inventory with the goal of replacing streetlights with LED fixtures	
	Street lighting – all Liberty St. and Market St., Beall Ave – north of Bowman St. to Bloomington Ave.	
	Goal 3. Complete a cost benefit analysis for converting the City's vehicle fleet to compressed natural gas (CNG)	2020
	1. Establish partnerships with municipalities/cities that have already taken steps to convert their fleet vehicles to CNG.	
	The market has shifted significantly since 2017. Natural gas prices have continued at historic lows, and electric vehicles have increased in usage and in market share. In addition, the EV infrastructure has increased and is currently incentivized with grants. Utilities reviewing options for a methane gas polishing system that could provide future avenue for CNG fleet options if market drives that. City's new waste contractor utilizes a full CNG fleet for waste and recycling hauling.	
	2. Perform a cost benefit analysis	
	The City is currently performing a cost benefit analysis for conversion of portions of the fleet to electric. It is currently cheaper to purchase gas and generate electricity at our WWTP, saving on electric costs.	
	3. Prioritize city vehicles to be converted first	
	Researching E-fleet as first priority to maximize energy consumption and costs.	
Goal 4. Maintain the Combined Heat & Power (CHP) System Operational	2019	
1. Perform no-cost/low-cost maintenance		
All maintenance is being performed as required, including preventative maintenance. City just authorized an annual maintenance contract for the CHP, soliciting bids for a 2-year maintenance contract for reliability.		

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	2. Determine annual budget needs for capital upgrades	
	Annual capital and maintenance needs have been evaluated and budgeted for the next 5 years. ADS business plan update and goals document is in progress.	
	Water & Waste Management	
	Goal 5. Improve Municipal Sludge Management	2018
	1. Investigate options for improved sludge management	
	Options performed in 2018 and 2019. Sludge process was converted to produce Class A sludge and a 5M gallon sludge tank is currently being constructed for improved sludge management. Soliciting bids for multi-year contracts for hauling operations and to stabilize future markets. Sludge tank should be completed in 2021.	
	2. Complete a cost benefit analysis for the identified option	
	Completed. See above. Business model projections are ongoing.	
	3. Identify options for sludge recycling	
	Completed. See above.	
	4. Organize three meetings with city key-decision makers with the goal of implementing an improved sludge management process.	
	Completed. See above. Included Administration, Engineering, Utilities and Green Arrow Engineering.	
	Goal 6. Convert water-pumping stations to virtual net metering	2018
	1. Arrange a meeting with AEP Ohio decision-makers about virtual net meeting in Wooster.	
	Initial attempts at implementing VNM have stalled at the legislative level. VNM requires changes to state law. Representatives Wiggam & LaRose both attempted to draft legislation. Both attempts failed.	
	2. Perform feasibility study on converting water pump stations to virtual net metering.	
	N/A Continue to update pumps and to VFD's as driven by maintenance needs.	
	3. Identify five water pump stations to convert to virtual net metering – N/A	
	Goal 7. Convert water-pumping stations to virtual net metering	2019
	1. Meet with key decision-makers.	
	Engineering secured verbal approval for a gravity sewer easement. Final easement or R/W is being pursued.	
	2. Perform feasibility study on cost and operational effectiveness of eliminating the pump station.	
	Feasibility Study Completed	
	3. Complete the necessary work to by-pass the existing water station.	
	Waste Management & Recycling	
Goal 8. Reduce waste to landfill by 10% by increasing recycling and composting	2020	
1. Promote the curbside recycling program		
City contracted with Kimble Services in July 2020 for waste and recycling services, including promotions, etc.		

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Environmental Responsibility	Waste Management & Recycling (continued)	
	2. Add two recycling dumpsters for the local restaurants and businesses.	
	Working with entities to determine best location. Scheduled for 2021	
	3. Investigate the need for purchasing additional recycling bins for events	
	4. Continue to promote and increase audience of the recycling pamphlet	
	Kimble Services promotes recycling, City updates city website regularly with recycling events and information.	
	5. Increase the residential recycling canisters in the downtown area.	
	Scheduled for 2021	
	6. Host an E-Waste event in the fall.	
	Partnership with Tri-County Solid Waste District and programs. The partnership is dependent on Wayne County's participation.	
Economic Development	Economic Development	
	Goal 9. Work with City Partners to increase economic vitality and quality of life within Wooster.	2020
	1. Identify strategies to attract new business	
	Expanding CRA. Evaluation of housing and economic environment for housing and CRA. CRA amended to support basic sector job creation in more areas and to conserve environmentally sensitive areas. Economic strategic plan.	
	2. Increase access to public transportation	
	Partnership with CAWM. CAWM is lead on public transportation. Additional routes have been added along with expansion of area served.	
	3. Partner with Main Street Wooster to increase community development	
	Currently partnered with Main Street and actively involved on the board and committees	
	4. Increase the awareness and availability of community assistance resources.	
	Partnerships with CAWM, Housing Coalition, Salvation Army. Market plan for housing, economic development resources. Salvation Army "the Living Room" project opened in October 2020 to provide daytime resources to homeless population.	
	5. Conduct a feasibility analysis for developing luxury apartments.	
	Downtown Strategic Plan and market analysis performed. Five units currently under construction, with 5 more planned within the next year. Weaver Custom Homes will have completed 10 Luxury Townhomes by the end of 2021.	
	6. Increasing low-income housing opportunities	
	CRA program expanded; 60 unit apartment complex currently under construction.	
	7. Develop an education curriculum that addresses the economic and health benefits of local food.	
	Local Roots (a local co-op) presents workshops and taste-testing of local grown products. Wooster Chamber of Commerce promotes Shop Local.	
8. Increase local farmers' participation in the Farmers Market.		
Partnership with Main Street Wooster, additional Farmers Market is held at Community Center.		

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Economic Development	Economic Development (continued)	
	Goal 10. Increase green job growth in the City of Wooster by 3%	2020
	1. Foster partnerships to create green jobs throughout City of Wooster	
	2. Continue to promote awareness of the green-energy technology advancements enabled by the City of Wooster’s Waste Water Treatment Plant facility	
	Informational brochures are sent with the utility bills	
	3. Continue to collaborate with the Ohio State University in marketing of BioHio Research Park as a center for mentored green-energy and agriculture-based business development.	
	BioOhio Research Park no longer exists. Functions have been incorporated into OSU functions.	
	4. Continue to make small-scale economic development incentives available, such as the Wooster Opportunity Loan Fund.	
	Exploration of additional state resources to support entrepreneurship and collaboration with economic development partners. Grant pursuits to support entrepreneurship. Evaluation of WOLF fund.	
	5. Determine feasibility of establishing incentives and/or awards program for businesses that create sustainability related jobs and foster sustainable innovation program.	
	LEED (Leadership in Environmental Engineering and Design) bonus incorporated into residential CRA program.	
	Mobility	
	Goal 11. Expand mobility programs and public transportation options to residents by 25%	2020
	1. Build additional sections of bike path meant to improve the citywide connectivity	
	Currently have over 12 miles of multi-use paths that have been completed in the past 5-7 years.	
	2. Conduct a bikeshare program feasibility study.	
	Will complete when the bike path projects are complete. Currently 80% complete as of 2020.	
	3. Collaborate with Community Action of Wayne & Medina to create better transportation opportunities for residents	
	Complete. Extended Wooster Transit Paratransit service to people with non-ambulatory disabilities that prohibit them from walking to a bus stop that is within ½ mile of their residence. Decrease the cost of passes from \$2.00 to \$1.00 for Seniors and people with disabilities.	
	4. Continue collaborating with the Community Action of Wayne and Medina and other area providers to create better transportation opportunities for residents.	
	Expanded rural transportation with SARTA and County. Continue to include Work/Education Passes in the Rural Mobility Solutions (RMS) Work Transportation Pilot.	
	5. Promote and inform the public on the existing transportation options available.	
	Partnered with CAWM, Transportation Coalition, and other social service agencies for promotion and inform public.	
6. Inform residents and businesses about available tax credits and other incentives for carpooling.		

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Empower People	Recreation	
	Goal 12. Expand and diversify “healthy living” opportunities for residents	2020
	1. Complete the purchasing of 60 acres of land for conservation easement through the Clean Ohio grant.	
	City acquired property on Venture Blvd. to establish a natural park. Park is currently under construction.	
	2. Design and implement an educational program at the Wilderness Center.	
	City is in the process of acquiring several parcels along Bauer Road within and adjacent to the floodplain of the Apple Creek. The property is committed to perpetual conservation of land.	
	3. Convert spare tennis courts to pickleball courts	
	Completed 2018.	
	4. Continue using cyanuric acid (CYA) for the pools to keep chlorine usage low	
	Ongoing	
	Community Engagement	
	Goal 13: Appoint 3-5 Volunteer Sustainability Ambassadors	2018
	1. Appoint three to five volunteers to become “Sustainability Roadmap Ambassadors”	
	Ashley Hershberger, Andrew Guidetti, Curt Denning, Nate Coey, Leslie Baus	
	2. Create a City of Wooster Sustainability Roadmap e-blast list	
	Currently utilize City website, social media and newsletters to inform public about conservation efforts.	
	3. Educate the public on public transportation options	
	CAWM is the lead organization for public transportation	
	4. Educate the public about the work done with Tree City USA.	
	Work closely with Urban Forestry Commission. Publish utility inserts and articles in City newsletters.	
	Goal 14: Educate a total of 100 residents and business owners on the importance of water conservation and responsible consumption	2019
	1. Partner with local industry and community groups to educate the public about the benefits of water conservation.	
	Entire City user base (11,000 accounts) sent periodic information, including CCR, Stormwater run-off, and proper disposal of hazardous waste. City website and social media is also used to share information with public. KPI’s published on website and in newsletters.	
	2. Monthly and/or quarterly bill stuffers and consumer confidence reports	
	Ongoing	
	Goal 15: Employ three new methods for increasing sustainable waste management awareness to residents and local businesses	
	1. Communicate local E-waste event details via newsletters, city web and social media pages.	
	Promote recycling and E-waste events via City newsletter and website.	

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Empower People	Community Engagement (continued)	
	2. Increase communication and education of the existing prescription drug disposal program.	
	Drop-off for unused prescriptions is located at the Justice Center in the lobby.	
	3. Educate the public regarding the appropriate disposal of lawn waste.	
	Brochures included in utility bills. City has a partnership with Wayne County Soil and Water to provide education materials and training to elementary students in Wayne County, including City of Wooster students.	