



2022

Mission Green – Sustainability Report

The City of Westland is excited to provide the 2022 Mission Green Sustainability Report. Since the inception of this program, the City has worked hard to advance a sustainable and eco-friendly environment for our residents to enjoy and thrive in.

Here are highlights of the efforts the City has put towards this program:

Recycling

- Cornerstone to Westland's Mission Green Initiative
- New curbside recycling contract approved and effective July 1, 2020
- 51,000 tons have been recycled since 2008/2009
- Recycling Center Upgrade - Clothing, batteries, glass, automotive fluids, metals can all be recycled at the Westland Recycling Center as well as Christmas Trees (seasonally)
- Recycling grant with The Recycling Partnership and EGLE to assist in curb-side recycling program quality improvements and education.

Tree Replacement Program

- Program started in 2017
- 435 trees have been planted city wide since 2017
- 32 orders have already been received by residents for the 2022 season

Tree City USA grants

- The City has worked with multiple organizations to receive grants for the planting of trees within the city. Here are some of the grantees
 - DTE – awarded and successfully planted 15 trees at Stottlemeyer Park
 - Consumers – awarded 15 additional trees for Stottlemeyer Park spring 2022
 - Alliance of Rouge Communities – awarded and successfully planted 50 trees along Newburgh Rd, between Joy and Warren
- Since 2019, The City has received over 200 trees through grants and will continue to seek out additional tree grants

Interacting with the Lower Rouge River

- Wayne County Parks - Installation of 2 kayak docks: Merriman and Venoy
- Shared use Path for bikers and walkers

Electric Vehicles

- During the 2021-2022 budget cycle the city purchased the first Electric F-150 for the Westland Police Department

- PD has a variety of Flex Fuel vehicles in the city's current fleet.
- Continue to encourage the use of electric vehicles and to expedite the establishment of a convenient, cost-effective electric vehicle charging locations throughout Westland
- Level 2 EV car charging stations at Westland City Hall and Tattan Park

Westland Walk & Roll Plan

- The City has developed a plan for enhancing bicycle infrastructure and awareness on usage and safety. The goal of the Walk & Roll Plan is to create priority routes that connect those who desire, or need to be able to access their city through means other than a motorized vehicle. Creating these route will enhance access and safety for non-motorized traffic and connect to parks, schools, jobs and commercial amenities in Westland. The plan is in final draft form and will move through the adoption process spring 2022.
- Wildwood Bikeway – Installment of 3.5 miles of bicycle lanes on Wildwood running north-south from Warren to Glenwood. . This corridor as an ideal location to build awareness and capacity of bicycle friendly avenues with an emphasis on safety mitigation and minimal interruption of current traffic patterns

Solar Panel Installations

- Internal review policies have prioritized review of solar panel projects. This is to help streamline and speed up the adoption of solar energy technology within the City. Since 2019, the City has reviewed and approved 60 installations since 2019.

Green Infrastructure Investments

- City Hall has installed new LEDs, as part of buildings renovations in 2014
- In May 2015, The City renovated the Friendship Center (senior center) to all LED interior lighting. Project cost = \$19,941.22
- 2009 Federal Energy Efficiency & Conservation Block Grant Projects = \$731,000
- The City allows green infrastructure at new developments to comply with storm water ordinances (rain gardens, detention ponds etc.)

LED Conversion & Street Lighting

- Phase I: In 2015, City Council approved the conversion of 166 Mercury Vapor (MV) street light fixtures to LED on Wayne Road, Glenwood and Parkgrove. Total cost to city = \$29,688, annual energy savings is \$23,136
- Phase II: In 2015, City Council approved the conversion of 230 MV street light fixtures to LED on major roads throughout the city. Total cost = \$68,996, annual energy savings is \$38,516
- Phase III: In 2016, City Council approved the conversion of 2,466 MV street light fixtures to LED on neighborhood streets throughout the city. Total cost to city is \$435,173, annual energy savings is \$260,364 and payback time is 1.7 years
 - Total cost for first 3 phases is \$533,857. Funded through the Metro Act Fund, 2,862 lights converted. Payback time for all three phases is ~ 1.6 years

- Phase IV: In 2018 City Council approved the conversion convert the remaining 795 HPS lights to LED. Total cost to city is: \$281,675, annual savings is \$70,527 and payback time is 3.99 years. (already converted to LED)
- Phase V: In 2018 city council approved the installation of 223 new street lights at the following locations: Wildwood: between Ford and Hunter; Venoy: between Cherry Hill and Palmer; Newburgh: between Joy and Glenwood; Warren: between Wayne and Newburgh and Central City: between Warren and Wayne Rd. Total cost is \$850,175, funded through the Metro Act Fund
- LED lighting conversion at the Dorsey Center (2014)
- Annapolis Park Street Light LED conversion (2012)

More Mission Green

- Norwayne Community Citizens Council - 3 community gardens
- DTE/Gleaners Community Garden
- 3B's Native Plant Garden in Corrado Park
- Norwayne subdivision tree planting (2015 and 2019)
- Norwayne DTE energy audits / LED light bulbs / water spigot conversion
- Hazardous Waste Collection Day – Partnership with Wayne County
- Battery recycling: Westland Library, Recycling Center and City Hall
- Office Recycling throughout all City buildings in Westland
- Lighting Ordinance – updated to reduce light pollution and light encroaching onto other properties

Thank you for taking the time to review this 2022 Mission Green Sustainability Report. We hope that you, the resident, take pride in the fact that the City that you are a part of, is working with you to make Westland the best community for you, your family, and future generations to come.