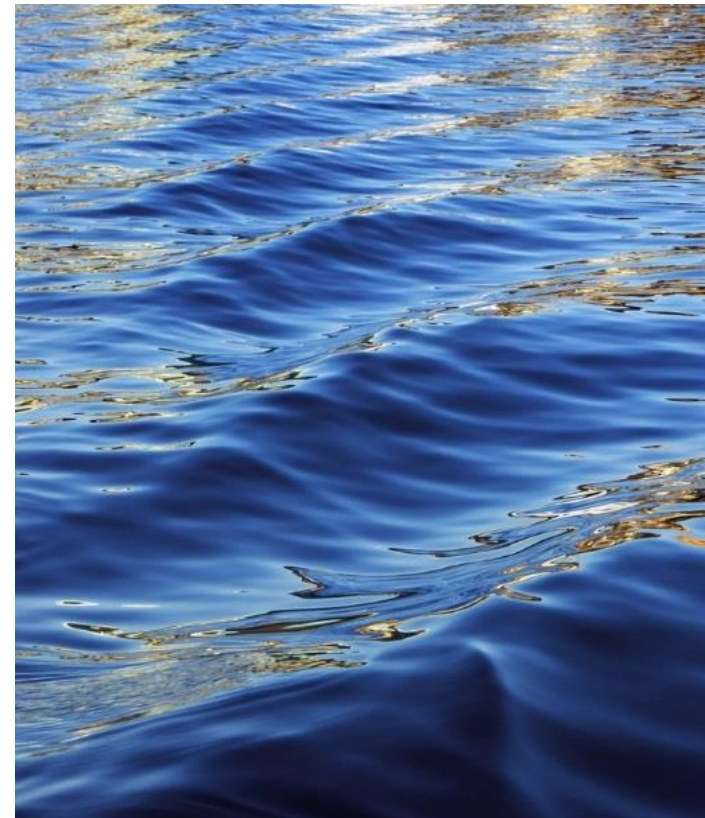




# Oakwood Sustainability Measures

June 5, 2023



# RECYCLING

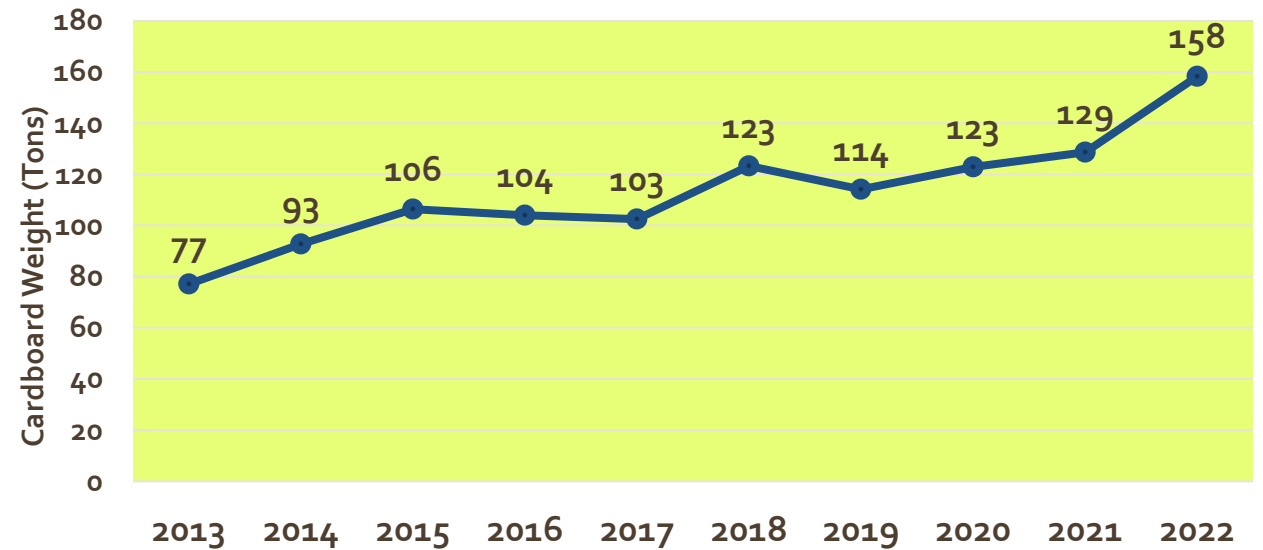
## CO-MINGLED RECYCLED PRODUCTS

- ✓ Weekly collection started in 1989
- ✓ Nearly all Oakwood residents participate

## CARDBOARD

- co-mingled with other recyclables
- dropped off at the city's yard debris and recycling drop-off facility

Oakwood Cardboard Recycling from Drop-off Facility  
10-Year History

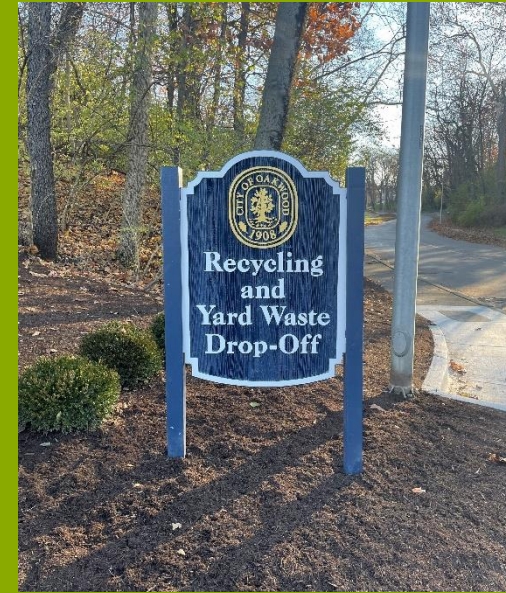


# RECYCLING

## Recycling and Yard Waste Drop-off Facility

- New facility opened on November 30, 2021
- 24/7 drop-off of green waste (yard debris), cardboard, and co-mingled recyclables such as glass, plastics and metal cans.
- drop-off of seasonal items such as holiday string lights and Styrofoam

- ✓ numerous recycling containers at parks, in public natural areas, and in city buildings.
- ✓ In 2021, about 50% of the total waste generated in Oakwood was recycled.



# LEAF COLLECTION & REUSE

For over 30 years, the city has collected leaves throughout the community each fall, and converted the leaves to yard mulch. The yard mulch is offered to Oakwood residents each spring.

9,500 cubic yards collected in 2022

# GREEN WASTE COLLECTION & DISPOSAL



The city operates a year-around green waste collection program. The program is heavily used for the disposal of brush, branches and all other types of yard waste.

Residents can:

- place the green waste behind the edge of roadway at their property frontage for pick-up by the city.
- order a dumpster.
- drop off the green waste at the 24/7 recycling drop-off facility.

# STORMWATER MANAGEMENT

In 2013, Oakwood established a stormwater utility for managing stormwater in compliance with federal and state EPA standards under the National Pollutant Discharge Elimination System (NPDES).



In 2019, the city completed a program to install “No Dumping” placards on all stormwater inlets (catch basins) throughout the city. This project was done as a volunteer effort through Little Miami Watershed Network and The University of Dayton River Stewards, at no cost to the city.

# STORMWATER MANAGEMENT

The stormwater drainage ordinance requires that property owners take the following steps to mitigate the additional runoff created by their projects:

- 1) protect downstream property;
- 2) protect downstream rivers and other waterways;
- 3) reduce negative impacts to the flow capacity of the stormwater discharge infrastructure.

In 2008, the city built a parking lot on the former site of a 4-unit apartment building on Orchard Drive to address parking needs in the Far Hills Avenue Business District. The parking lot design included construction of rain gardens to accommodate the stormwater runoff generated by building the additional hard surface area.

# HAZARDOUS WASTE COLLECTION & DISPOSAL



Four Saturdays each year, volunteer Oakwood Rotarians travel around the city and collect household hazardous materials such as oils, pesticides, paints, batteries, etc. and transport them to the Montgomery County Refuse Transfer Station where they are properly disposed.

Removes large amounts of hazardous material making the community safer and keeping the material out of our landfills.





# PRESCRIPTION DRUG DROP-OFF

In 2017, the city installed a drop-off box for the safe and proper disposal of prescription drugs.

The container is located at the entrance to the city building, 30 Park Avenue, adjacent to the public safety dispatch office. It is available 24/7.



# PUBLIC LAWN MAINTENANCE

The city maintains numerous public lawn areas including parks, gardens and boulevards using the Integrated Pest Management (IPM) program.

All city mowers have mulching blades, and city staff sets the mowers at a high cut setting. Best IPM practices indicate that the taller the turf the less weed infestation and thus the less need for lawn treatment. Use of mulching blades returns nutrients to the lawn and helps keep the grass healthy.



# LANDSCAPE MANAGEMENT CODE

## CHAPTER 551 Landscape Management

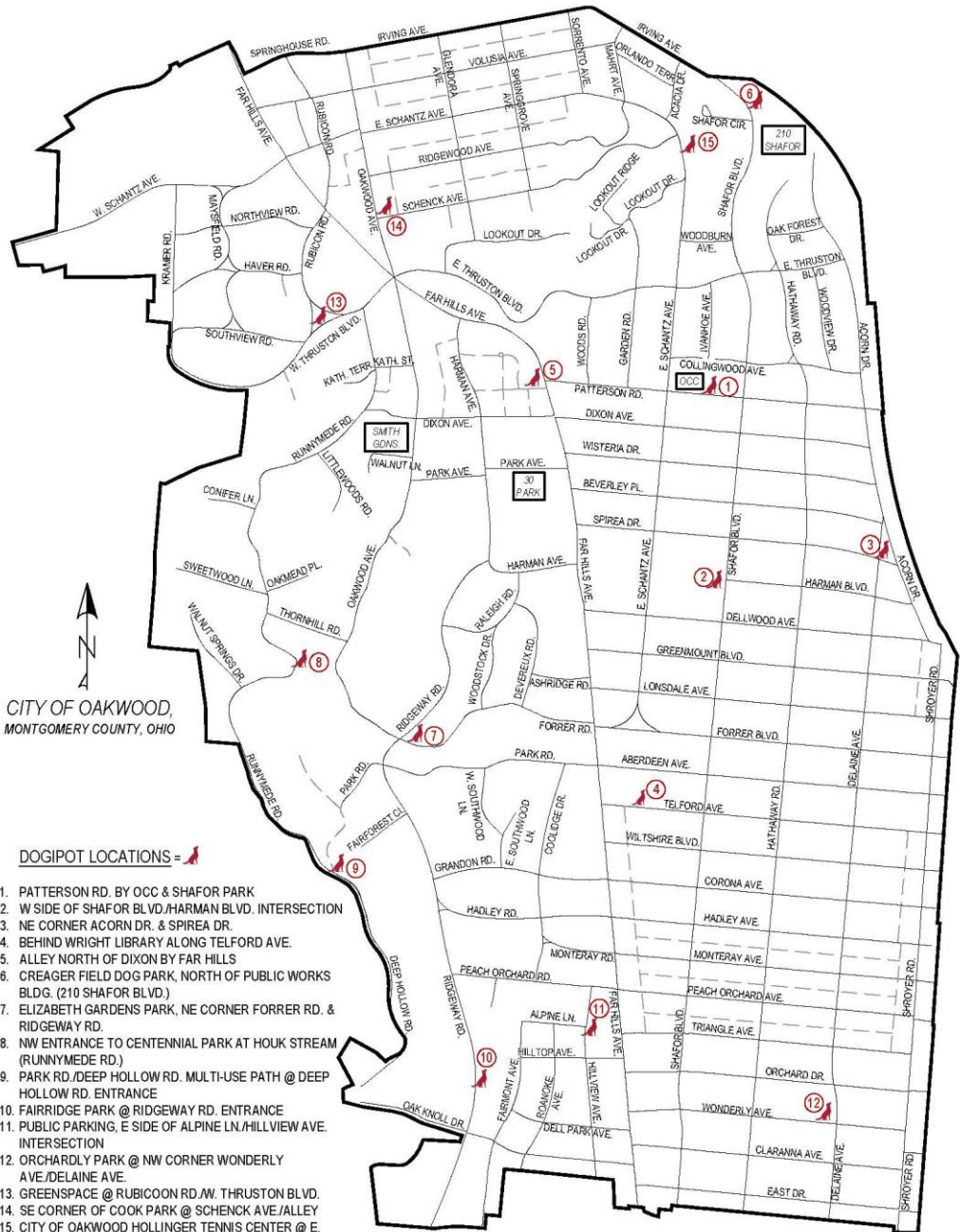
July 18, 2022

<b>551.01</b>	<b>Purpose and definitions.</b>	<b>551.06</b>	<b>Designation of nature areas; appeals.</b>
<b>551.02</b>	<b>Periodic cutting required.</b>	<b>551.07</b>	<b>Managed natural landscape areas.</b>
<b>551.03</b>	<b>Notice to cut; notice of violation.</b>	<b>551.99</b>	<b>Penalty.</b>
<b>551.04</b>	<b>Failure to comply with notice.</b>		
<b>551.05</b>	<b>Collection of costs.</b>		

- new provisions to authorize the establishment of managed natural landscape areas – must be “managed and maintained”
- authorize property owners to establish “managed natural landscape areas” on their property but, importantly, it does not give property owners permission to neglect their yards or allow them to “go wild”

- enhancement of pollinator support habitat
- stormwater management
- carbon sequestration
- erosion control
- preservation of biodiversity

CITY OF OAKWOOD DOGIPOT LOCATIONS



In 2008, the city began installing stations throughout the city for disposal of dog waste.

There are currently 15 stations maintained throughout the city for convenient and proper disposal of dog waste.

← A map of the station locations is available on the city website.



# DOGIPOT STATIONS

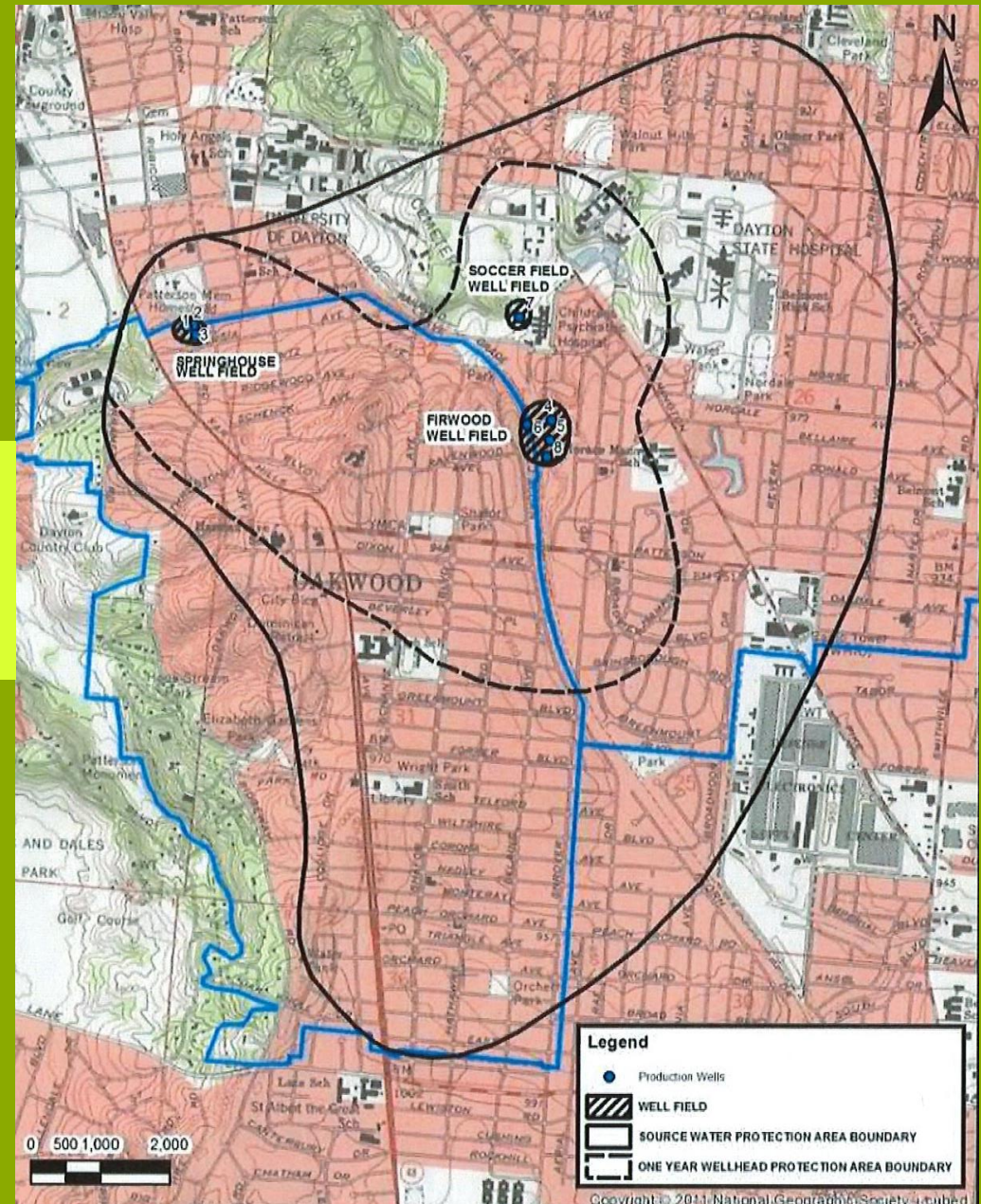
UPDATED: 01/16/2022 BY: CW

1994

The wellfield protection program includes: 1) an Aquifer Characterization and Protection Area Delineation Study; 2) a Potential Pollutant Source Inventory Report; and 3) a Drinking Water Source Protection Plan.

The purpose of the program is to protect the aquifers from which the city's water is drawn. It is fully endorsed by the Ohio EPA.

# WELLFIELD PROTECTION



# ELECTRONIC COMMUNICATION & DOCUMENT STORAGE

Continuously looking for ways to operate the local government administrative functions in a manner that has the least impact on our environment.

- electronic purchase orders
- utility e-bills
- direct deposits of payroll
- emailing of paycheck stubs
- routinely saving reports in pdf format rather than printing and maintaining hard copies

# SOLAR POWER ELECTRICITY GENERATION

There are currently over 49 residential installations in Oakwood.

The city embraces the entrance of residential solar power generating systems in Oakwood and offers a simple and efficient permitting process for property owners interested in solar power installations.



# LED STREET LIGHTS

**LED lights are very energy efficient.**



In May 2023, Miami Valley Lighting (MVL), Oakwood's street light contractor, upgraded the majority of the street lights throughout Oakwood. The citywide project involved replacement of about 500 HPS fixtures, nearly all of the residential street lights in Oakwood. MVL installed LED fixtures that emit light at a color temperature of 2700 degrees Kelvin. These fixtures were specially selected to provide illumination in the warm or soft white range, as opposed to the bright white light often seen with LEDs.



# ERADICATION OF INVASIVE PLANTS

The city works continuously to manage and remove Honeysuckle and other invasive plants from public properties. This includes the work of city staff and periodic events where citizens and community groups volunteer time to assist.



# TREES

## Johnny Appleseed Program

Over 3,200 new trees have been planted in Oakwood through this program. The program offers a systematic and continuous way of renewing Oakwood's expansive tree inventory.

\*\*Native Ohio trees for Johnny Appleseed included the Swamp White Oak, Red Oak and Sugar Maple.

## Far Hills Avenue Business District

The city replaced nearly all of the center median and curbside trees (164) in the Far Hills Avenue Business District, renewing this primary component of the business district landscaping. The city also planted 10 new trees in the Orchard Drive parking lot.



# TREES

## Shroyer Road - 2017

planted 56 trees in the newly created center median



### Emerald Ash Borer Treatment

The city treats a majority of the Ash trees on public property annually.



# TREES

## Tree City USA

In 2022, Oakwood was recognized for the 40<sup>th</sup> consecutive year as a Tree City USA community.



**TREE CITY USA®**

An Arbor Day Foundation Program

## Annual Youth Arbor Day Event

Each year in the month of April or May, the Oakwood Beautification Committee (OBC) leads 3rd graders from both Harman School and Smith Elementary on a “Treasure Hunt” to find different species of trees in Oakwood. All 3rd grader receive a native tree seedling to plant on their property.



Oakwood is a highly walkable and bikeable community with schools, shops, houses of worship, parks, and community services all within blocks of one another. The city continuously looks for ways to promote and maintain a safe environment for walking and cycling.



Shroyer Road Improvements

Sidewalk Maintenance



Public Transportation

**WALKABLE &  
BIKEABLE  
COMMUNITY**

# DEICING SALTS

Oakwood is committed to minimizing the use of traditional rock salt for deicing public roadways, alleys, and other public properties.





Through the Oakwood Community Center, the city periodically offers educational programs on topics including composting and use of native plants.



# COMPOSTING & NATIVE PLANTS

# PARKS & NATURAL AREAS

Smith Gardens - one of the finest public gardens in Ohio.



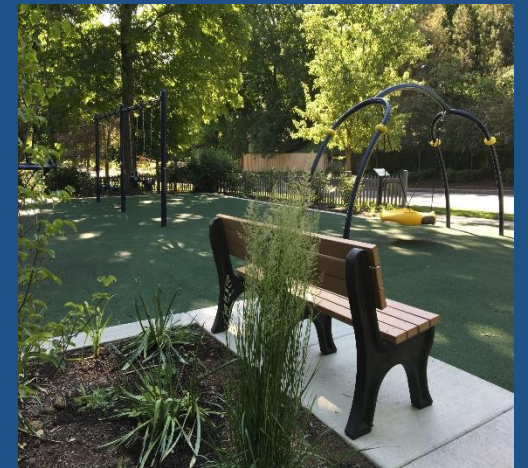
The city maintains and renews public natural areas using saplings, native plants and eco smart hardwood mulch.



**Orchardly Park & Shelter**



**Shafor Park & Shelter**



**Cook Park**



# PARKS & NATURAL AREAS

In 2007, the city purchased 3.1 acres of land adjacent to Houk Stream.

This land had been established as a buildable lot in 1995 when an 11.4 acres estate property was subdivided. The purchase was made to significantly enhance the public natural area around Houk Stream.



**Houk Stream/Loy Gardens/Centennial Park**



**Katharine Wright Park**



**Fairridge Park**



**Francine's Garden**

In 2017, the city accepted a 0.6-acre parcel of greenspace from the Oakwood Investment Group at the northwest corner of West Schantz Avenue and Far Hills Avenue.

As a condition of the donation, this property shall remain a public greenspace in perpetuity.

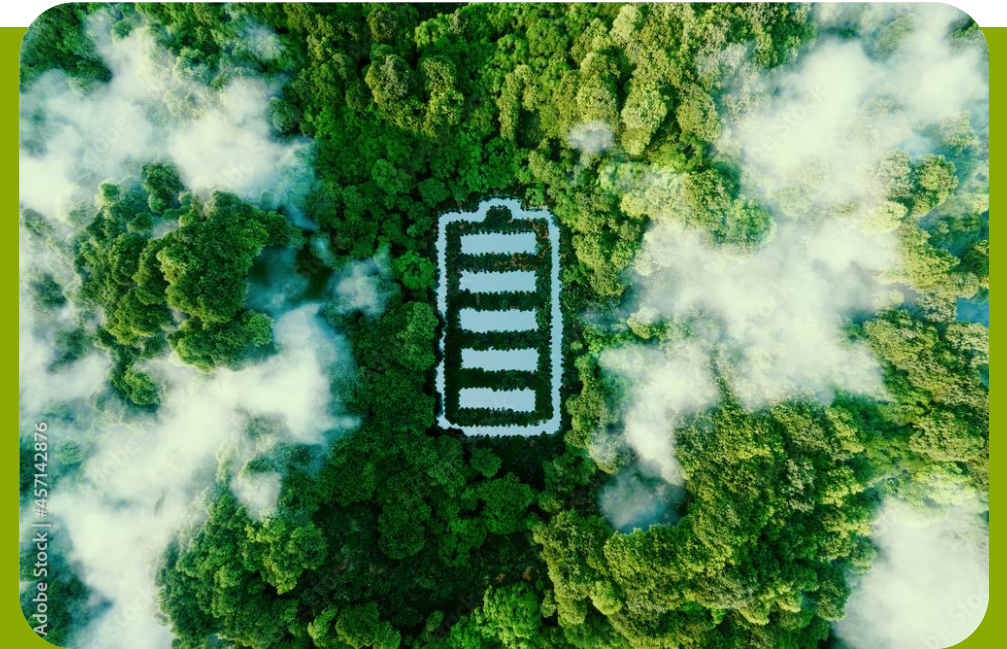
## ELECTRIC VEHICLE CHARGING STATIONS

- ✓ Orchard Drive public parking lot has a two port, Level 2 electric vehicle charging station.
- ✓ Dorothy Lane Market built an electric vehicle charging station in its parking lot.



## BATTERY OPERATED EQUIPMENT

- ✓ continuously evaluate battery powered vehicles and equipment.
- ✓ will purchase a fully electric police car this summer.





## 2024 BLAZER EV PPV

- Police specific interior design



# OAKWOOD FARMERS' MARKET

*fresh finds - local love*



# OAKWOOD FARMERS' MARKET

City staff works with a group of Oakwood citizens organized as a 501(c)(3) non-profit to plan and operate an annual community farmers' market. The first Oakwood market opened in 2013. Its mission is to create an educational, entertaining, and inclusive market for the residents of Oakwood and surrounding Dayton communities to gather and support local businesses including local farmers, gourmet food vendors, and artisans.

# EFFICIENT MOVEMENT OF TRAFFIC

The city...

continuously monitors and maintains the traffic signal system in an effort to move traffic in the safest and most efficient manner.

is currently developing a master plan for capital improvements at all 17 signalized intersections.

This master plan includes consideration of building a roundabout at the intersection of Far Hills Avenue, Oakwood Avenue and Thruston Boulevard, commonly known as Five Points. Where properly located, roundabouts have proven to significantly reduce vehicle emissions.

