



Royal Oak

Agenda

Royal Oak Environmental Advisory Board Meeting

Wednesday, October 23, 2024, 7:00 p.m.

Royal Oak Farmers Market
316 East Eleven Mile Road
Royal Oak, MI 48067

Anyone planning to attend the meeting who has need of special assistance under the Americans with Disabilities Act (ADA) is asked to contact the city clerk's office at 248-246-3050 at least two (2) business days prior to the meeting.

Pages

1.	Call to Order	
2.	Approval of Agenda	
3.	Approval of Minutes	3
4.	Public Comment	
5.	New Business	
	a. Parks and Rec Comments	6
	b. Policy Work Discussion	
	a. Community Benefits List	
	b. Sustainable Event Policy	
	c. Deconstruction Policy	
	c. Leave the Leaves @ Public Comment	
	d. Earth Day Planning	
6.	Old Business	
	a. Review of Amended Draft By-Laws and Ordinance	7
7.	Receive and File	
	a. City Commission Report	17
	b. Staff Report	18
	c. Subcommittee/Other Reports	
	d. SOCRRA Tonnage Report	23
	e. SOCWA Water & Precipitation Report	25

8. General Announcements
 - a. MISCON
 - b. November EAB Meeting @ City Hall
9. Adjournment



Royal Oak

Minutes

Royal Oak Environmental Advisory Board

September 25, 2024, 7:00 p.m.
Royal Oak Farmers Market
316 East Eleven Mile Road
Royal Oak, MI 48067

Present: Woody Gontina
Tessa Benziger
Brock Bosack
Zoe Chase
Frank Komola
Julie Lyons Bricker
Nicholas Marcelletti
Ed Slesak
Paul Vial

Absent: Amanda Herzog
Jill Robinson

1. Call to Order

The meeting was called to order at 7:02 pm.

2. Approval of Agenda

Group moved to add discussion on moving meetings to the Royal Oak City Hall, a discussion on Lawson Park berms, and working with the DDA on compostable wares.

Moved by: Frank Komola

Seconded by: Nicholas Marcelletti

To approve the agenda.

Motion Adopted

3. Approval of Minutes

Member Lyons-Bricker noted that Treva Formby's last name was not included in the August minutes.

Moved by: Zoe Chase
Seconded by: Julie Lyons Bricker

To approve the minutes of the August 28,2024 Environmental Advisory Board meeting.

Motion Adopted

4. Public Comment

Ms. Formby discussed her recent talk at the library and reported that it was well-received and discussed other potential future talks.

5. New Business

5.a Discussion on Meeting Locations

Chair Gontina led a discussion on potentially changing meeting locations to City Hall or returning to the Senior Center.

Staff agreed to verify availability and review the necessary logistics to host the November 20th meeting at City Hall.

5.b Lawson Park Berm Discussion

Chair Gontina led an update and discussion on a resident-driven initiative to 'adopt' berms and inquired whether we can implement a process to facilitate those. Additional discussion points will be provided for discussion at the EAB's next meeting.

5.c Group Discussion on Encouraging Use of Compostable Materials for DDA Businesses

Member Bosack led the discussion and inquired about finding ways to encourage DDA restaurants to use compostable materials, including cutlery and other items. Sustainability Manager Fox described some of the challenges with such measures.

6. Old Business

6.a EAB Update to Bylaws and Ordinance

Chair Gontina led a discussion on the revised draft based on the discussion of the August meeting.

Several key questions remain relating to the number of members stated in the EAB ordinance and whether it conflicts with the student appointments ordinance. Staff will report back at a future meeting.

7. Receive and File

7.a City Commission Report

- 7.b Staff Report**
- 7.c Subcommittee/Other Reports**
- 7.d SOCRRA Tonnage Report**
- 7.e SOCWA Water & Precipitation Report**

8. General Announcements

Chair Gontina provided an update on the master planning process.

8.a Leave the Leafs Program

The group discussed the 'leave the leaves' initiative and decided to hold a vote to indicate support for it.

Moved by: Paul Vial

Seconded by: Brock Bosack

Motion to support the leave the leaves initiative.

Ayes (8): Tessa Benziger, Brock Bosack, Zoe Chase, Frank Komola, Julie Lyons Bricker, Nicholas Marcelletti, Ed Slesak, and Paul Vial

Nays (1): Woody Gontina

Motion Adopted (8 to 1)

9. Adjournment

The meeting was adjourned at 9:07pm.

Moved by: Brock Bosack

Seconded by: Paul Vial

To adjourn the adjourn the meeting.

Motion Adopted



At our September EAB meeting we discussed meeting with Parks and Recreation board to discuss the Lawson Park Berms issue that was raised at Public Comment. It was suggested that we have a conversation with Parks and Rec in a larger context around public use of private land. I had agreed to come back to this meeting with some bullet points on what we would discuss with them.

- Brief EAB introduction
 - We would like to work more collaboratively with Parks and Rec Board
- Brief SCAP introduction
 - Specifically, the Greenspace section
- Introduce Lawson Park Berms topic
 - Requires wider conversation
 - Public use of private lands (Park and non-park land)
 - Community Gardens/Pollinator Gardens
- Questions / Thoughts / Next Steps



ENVIRONMENTAL ADVISORY BOARD AGENDA ITEM

TITLE	EAB Update to Bylaws and Ordinance
SUBMITTING DEPARTMENT	City Manager
PRESENTER	Susan Barkman
MEETING DATE	October 23, 2024
S-CAP Goal	

EXECUTIVE SUMMARY (include history of previous action/discussion, background, scope of work, etc.):

Over the past few meetings EAB has been discussing potential changes to the bylaws and the ordinance that created EAB. Based on discussions staff has drafted the attached documents. Please note that these have not been reviewed by the City Attorney's Office at this time.

To address some of the concerns that arose last month related to student voting, the following things have happened:

- The City Commission approved [Ordinance 2024-09](#) to amend Chapter 12 of the Royal Oak Code which guides the appointments process. They changed subsection E, related to student appointments. This now allows for the students to vote and automatically count toward quorum. We also removed the reference to meeting at least 8 times per year. Staff does not recommend setting a specific meeting time or schedule through the ordinance. This can become a limiting factor in the future for membership and will end up driving you to special meetings. The board will need to adopt a regular meeting schedule each year.
- We have amended the draft EAB ordinance to include a reference to Chapter 12 related to the appointments of students to the board.
- We have amended the draft bylaws to reflect that there may be additional student members as designated by Chapter 12.

The City Attorney drafted the new student board member ordinance so that student members when appointed count toward the quorum and can vote. When there are no student members appointed then the quorum and membership is based on the ordinance for EAB. This would apply until new student members were appointed.

QUESTION FOR THE BOARD

Does EAB wish to make any additional changes to the ordinance or bylaws?

CITY OF ROYAL OAK
Environmental Advisory Board
Approved Date Approved by City Commission

I. Name

The name of this board/Commission is the Environmental Advisory Board.

II. PURPOSE

This is a chapter to establish the Royal Oak Environmental Advisory Board. The purpose of the Environmental Advisory Board shall be to advise and assist the environmental sustainability efforts of all City staff, boards, and commissions and community members. The Environmental Advisory Board shall make recommendations to the City Commission on all issues concerning City environmental sustainability efforts and to encourage community participation.

III. MEMBERSHIP AND VACANCIES

- a. The Environmental Advisory Board shall be made up of 11 total members who have experience or interest in environmental sustainability efforts. One of the 11 voting members shall be a member of the City Commission. All voting members shall be residents of the City.
- b. In addition to the 11-voting member, the Department of Public Service and Recreation Director or their designee and the Sustainability Manager shall serve as an ex officio nonvoting member of the Board.
- c. The Environmental Advisory Board may have additional student members as members of the board in accordance with **Chapter 12**.
- d. In accordance with City Commission policy and appointment process, the board may appoint student representatives to the board who may participate in board meetings as non-voting members.
- e. All members shall be appointed by the City Commission consistent with Chapter 12, Appointments to Advisory Boards, Commissions and Committees, of the City of Royal Oak Code of Ordinances, also known as the Appointments Ordinance.
 - i. The staff ex-officio member shall notify the City Clerk of any vacancies on the Commission who will forward any vacancies to the City Commission for consideration to fill any vacancies.
 - ii. Environmental Advisory Board members shall keep the City Clerk's office informed of changes in their names, addresses, phone number, email address or other basic contact information or anything that might change their status as a board eligible board member.
 - iii. Members appointed to fill a vacancy shall hold office for the original term of the vacancy as set by the City Commission and/or the Appointments Ordinance.
 - iv. Members shall comply with ordinances relating to attendance as described in Chapter 12 of the City Code of Ordinances.

- f. Board members shall be appointed by the City Commission for terms of three (3) years in accordance with 12-5.
- g. In accordance with Chapter 12 of the City of Royal Oak Code of Ordinances, members are limited to three consecutive full terms, unless the City Commission specifically finds by resolution that there is not a qualified individual available to replace the member, or that some other special circumstance(s) exists which supports the reappointment of the serving member.

IV. OFFICERS

The Environmental Advisory Board shall, at its first meeting of the calendar year, elect a chair, vice chair, secretary, and any other officers deemed necessary.

- a. Chair: The chair shall preside over the meeting and serve as a voting member. The chair will also appoint members to subcommittees and ensures there is a member liaison to other efforts as needed.
- b. Vice-Chair: The vice-chair shall perform the duties of chair in their absence.
- c. Secretary: Perform the duties of the chair and or vice-chair if they are not available.
- d. Staff Ex-Officio: The staff ex-officio member shall serve as liaison between the board and city staff and be responsible for the publication of agendas, minutes and acting as the records custodian for the board.

Term: All officers, except for the staff ex-officio member, shall serve a one (1) year term.

The Environmental Advisory Board has the authority to remove a member from serving as an officer of the board but does not have the authority to remove a member from their appointment to the board. The Environmental Advisory Board may remove a member from being an officer by motion, second, and the concurring affirmative vote of 51% of the quorum members present.

V. NOMINATIONS AND ELECTIONS OF OFFICERS

The Environmental Advisory Board shall hold the election of officers annually during the first meeting of the calendar year. Any member of the Environmental Advisory Board may be nominated if they meet the requirements for officers, if any, described in these bylaws.

In the meeting prior to the first meeting of the year, anyone seeking nomination for chair, vice-chair, and secretary may declare their interest. This can occur at any time before the meeting when the election occurs.

Members may nominate themselves or any other appointed member of the Environmental Advisory Board and shall have served at least one year on the board prior to being elected as an officer.

An affirmative vote of the 51% of members present for the election shall be required to be elected as an officer.

VI. CODE OF CONDUCT

In general, the use of good judgment, based on high ethical principles, will guide the officers and members of the Environmental Advisory Board with respect to lines of acceptable conduct. The successful operation and reputation of Royal Oak boards and commissions is built upon the principles of fair dealing and ethical conduct of members. Integrity and excellence require careful observance of the spirit and letter of all applicable laws and personal integrity. Failure to abide by these basic principles may result in removal from the Environmental Advisory Board by the City Commission.

VII. MEETINGS

a. Meeting Schedule

Regular Meetings. The Environmental Advisory Board shall adopt a schedule of regular meetings for the next year no later than the final meeting of the current calendar year.

Special Meetings. Special meetings of the Environmental Advisory Board may be called by the chair or by two members of the board in accordance with the Michigan Open Meetings Act. The Environmental Advisory Board shall notify the staff liaison of all special meetings reasonably in advance of the scheduled meeting so that the notice of the meeting shall be timely published as required by the Open Meetings Act.

All meetings of the board shall be subject to the Michigan Open Meetings Act, Act 267 of the Public Acts of 1976, MCL 15.261 et seq.

b. Order of Business. Without precluding the addition of other agenda item categories, all meeting agendas shall, at a minimum, include the following:

1. Call to order
2. Roll Call
3. Agenda Approval
4. Public Comment
5. Minutes
6. Business Items
7. Adjournment

c. Quorum. A minimum of seven (7) members of the Environmental Advisory Board shall constitute a quorum for the purpose of motions and the transaction of business.

- d. Minutes. The Secretary shall be responsible for taking minutes at board meetings. In his/her absence, the staff ex-officio shall be responsible for taking minutes. The staff ex-officio shall be responsible for maintaining minutes and other records of meetings in accordance with applicable city codes, regulations, and/or policies.
- e. Action. All action by the Environmental Advisory Board shall be made by motion adopted by the concurring affirmative vote of at least 51% of quorum present unless otherwise required by ordinance or state ordinance.
- f. Public Comment. The board shall follow the city commission's standard procedure for public comment. The chair has the ability to extend the three minutes per person limit.

VIII. PARLIAMENTARY AUTHORITY

Parliamentary authority for the Environmental Advisory Board is governed by Robert's Rules of Order. In case of conflict between these bylaws and the Robert's Rules of Order, these bylaws control. In case of conflict between these bylaws and any city ordinance, the city ordinance controls. In case of conflict between city ordinance and state law, the state law controls.

IX. ADOPTION OR AMENDMENT OF BYLAWS

- a. The Environmental Advisory Board shall make a recommendation to adopt the bylaws to the Royal Oak City Commission. A recommendation to adopt, modify or repeal the bylaws shall be approved by two-thirds of the entire membership of the Environmental Advisory Board.
- b. The Royal Oak City Commission has the authority to approve, amend, or repeal these bylaws.
- c. The Environmental Advisory Board shall review these bylaws annually at its second meeting in the calendar year. If there are no proposed amendments then no action is needed by the board and the existing bylaws will remain in effect.

X. GENERAL PROVISIONS

No member of the board shall order or instruct city staff members to perform any service or duty. If a board feels that they are inadequately supported they can address that through the staff liaison and the city manager.

XI. MICHIGAN FREEDOM OF INFORMATION ACT COMPLIANCE MANDATORY

The Environmental Advisory Board shall comply with the Michigan Freedom of Information Act (FOIA) [Public Act 422 of 1976, MCL § 15.231 et seq.] and the city's current FOIA policy. The City Clerk and Human Resource Director shall assist the board in compliance.

XII. MICHIGAN OPEN MEETINGS ACT COMPLIANCE MANDATORY

The Environmental Advisory Board shall comply with the Michigan Open Meetings Act (OMA) [Public Act 267 of 1976, MCL § 15.261 et seq.].

XIII. ACCESSIBILITY

Anyone planning to attend a public meeting of the Environmental Advisory Board who has need of special assistance under the Americans with Disabilities Act (ADA) is asked to contact the City Clerk's office at 248-246-3050 or email CityClerk@romi.gov at least two (2) business days prior to the meeting so that the city can support the full participation of members of the community.

Chapter 64

ENVIRONMENTAL ADVISORY BOARD

§ 64-1.	Title.	§ 64-8.	Organization; meetings; records.
§ 64-2.	Statement of purpose.	§ 64-9.	Severability.
§ 64-3.	Definitions.	§ 64-10.	Savings.
§ 64-4.	Creation.	§ 64-11.	Repealer.
§ 64-5.	Membership.	§ 64-12.	When effective.
§ 64-6.	Terms of appointment.		
§ 64-7.	Powers and duties.		

[HISTORY: Adopted by the City Commission of the City of Royal Oak 9-28-2020 by Ord. No. 2020-11. Amendments noted where applicable.]

§ 64-1. Title.

This chapter shall be known as and may be cited as the "Royal Oak Environmental Advisory Board Ordinance."

§ 64-2. Statement of purpose.

This is a chapter to establish the Royal Oak Environmental Advisory Board. The purpose of the Environmental Advisory Board shall be to advise and assist the environmental sustainability efforts of all City staff, boards, and commissions and community members. The Environmental Advisory Board shall make recommendations to the City Commission on all issues concerning City environmental sustainability efforts.

§ 64-3. Definitions.

For the purpose of the provisions of this chapter, the following words and phrases shall be construed to have the meanings herein set forth, unless it is apparent from the context that a different meaning is intended:

ENVIRONMENTAL SUSTAINABILITY EFFORTS — Any policies, programs, projects, initiatives, or events related to the energy waste reduction, climate, air quality, water, waste, resilience, and/or other sustainability issues that improve quality of life and protect the environment.

§ 64-4. Creation.

In order to encourage and support environmental sustainability efforts in the City of Royal Oak, there is hereby created the Environmental Advisory Board.

§ 64-5. Membership.

The Board shall consist of 1¹² voting members who have experience or interest in environmental sustainability efforts. One of the 1¹² voting members shall be a member of the City Commission. Additional student members of the board may be appointed by the city commission per Chapter 12. The

The Department of Public Service and Recreation Director or their his/her designee and the Sustainability Manager shall serve as an ex officio nonvoting member of the Board. All voting Board members shall be residents of the City.

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§ 64-6. Terms of appointment.

Board members shall be appointed by the City Commission for terms of three years. The initial Board shall be made up of those serving on the existing Environmental Advisory Committee as of the effective date of this chapter, with members' original appointment terms intact. Members of the Board shall be eligible for reappointment. Term limits, appointments, reappointments, appointment terminations, and vacancy rules are subject to applicable ordinance provisions. Vacancies shall be filled by appointment by the City Commission.

§ 64-7. Powers and duties.

- A. It shall be the duty of the Board to advise and assist on environmental policies, programs, projects, initiatives, and events that help fulfill established sustainability goals of the City Commission.
- B. It shall be the duty of the Board to assist staff in developing and implementing the sustainability plan and associated action goals that serve to progress the strategy for supporting environmental sustainability efforts in the City of Royal Oak. It shall be the duty of the Board to assist staff in developing an annual report that includes updates and reports progress on any previously established goals. In December of each year, the report shall be submitted to the City Commission for approval.
- C. The Board shall have the authority to raise funds for environmental sustainability efforts through the application of grants, private sponsorships, donations, and other fund-raising strategies, including the authority to interact with donors on behalf of the City of Royal Oak. Funds raised and held by the Board are public funds and shall be reserved for the purposes of this chapter.
- D. The Board shall promote the public awareness of environmental sustainability policies, programs, projects, initiatives, and events in Royal Oak.
- E. The Board shall work with local, state, and national organizations, nonprofits, and businesses to encourage and support environmental sustainability efforts in Royal Oak.

§ 64-8. Organization; meetings; records.

- A. The Board shall elect a Chair, Vice Chair, Secretary, and any other officers deemed necessary at the beginning of the first meeting of each year. The Chair shall preside over meetings and will serve as a voting member of the Board. The Vice Chair shall perform the duties of the Chair in his/her absence. The Secretary shall record the proceedings of the Board.
- B. At least seven members of the Board shall constitute a quorum for the approval of motions and transaction of its business. An affirmative vote requires at least 51% of the quorum voting in favor. The Board shall adopt rules for the transaction of its business which shall provide for the time and place of holding meetings.
- C. The Board shall meet at least eight times per year on a day and time to be established by the Board.
- D. The business that the Board or subcommittees of the Board may perform shall be conducted in compliance with the State of Michigan Open Meetings Act.¹

1. Editor's Note: See MCLA § 15.261 et seq.

E. The Board shall keep a record of its proceedings and actions. A writing prepared, owned, used, in the possession of, or retained by the Board or subcommittees of the Board in the performance of an official function shall be made available to the public in compliance with the State of Michigan Freedom of Information Act.²

§ 64-9. Severability.

If any section, subsection, clause, phrase or portion of this chapter is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent portion of this chapter, and such holding shall not affect the validity of the remaining portions of this chapter.

§ 64-10. Savings.

All proceedings pending and all rights and liabilities existing, acquired or incurred at the time this chapter takes effect are saved and may be consummated according to the law in force when they are commenced.

§ 64-11. Repealer.

All ordinances or parts of ordinances in conflict herewith are hereby repealed only to the extent necessary to give this chapter full force and effect.

§ 64-12. When effective.

This chapter shall take effect 10 days after the final passage thereof.

2. Editor's Note: See MCLA § 15.231 et seq.



Royal Oak
**ENVIRONMENTAL
ADVISORY BOARD**

Environmental Advisory Board
203 S Troy Street
Royal Oak, MI 48067
www.romi.gov

City Commissioner Report

TO: Environmental Advisory Board
FROM: Amanda Herzog, PhD, City Commissioner
DATE: October 16, 2024
SUBJECT: October Update Report

October 14th City Commission Meeting

- Approved: Ordinance Amendment – Standards for Demolition. This will require signage for commercial and industrial demolition activities, similar to the residential fugitive dust ordinance approved by the City Commission on August 26, 2024.

City Manager Search

City Commissioners conducted City Manager interviews on October 12, 2024. On October 15, 2024, the City Commission had a special meeting for executive search deliberations and consideration of the selection of city manager. The Royal Oak City Commission directed the City Attorney, Labor Counsel and the HR Director to negotiate an offer of employment and employment agreement with the candidate Joseph Gacioch. Subject to the successful completion of a background check, with final terms and conditions, consistent with those set forth by the City Commission in the position profile, to be presented to the City Commission for final approval (tentative October 28, 2024).

Upcoming Activities:

- **October 24th** SEMCOG General Assembly
- **November 5th** Election Day!!
- **November 11th** City Commission Meeting
- **November 18th** City Commission Meeting

Sustainability Manager's Update

Date: 10/16/2024

Upcoming Community Events

Battle of the Buildings

Update:

- Michigan Battle of the Buildings is under contract to provide benchmarking of all city buildings. We are starting energy audits of city buildings soon.
- Finalizing contract with Michigan Battle of the Buildings for community buildings participating in Battle. Met with Legal and USGBC. We have some edits to make
- A flyer for Battle of The Buildings has been created - [LINK](#)
- The competition is slated to launch in November

Next steps:

- Approve contract for Michigan Battle of the Buildings
- Meet with EGLE to adjust grant budget to include a Green Fund for participants
- Bring contact and entering city buildings to commission for approval
- Meet with stakeholders to help promote the competition
- Follow the necessary pathway for the inclusion of city buildings
- Host Informational Session (October)
- Build out the website on the city page and Michigan Battle of the Building page
- Finish benchmarking city buildings

Relevant Data:

- Electrical and gas data for all city buildings
- Potential to gather electrical and gas Data for competitions
- Benchmarking against other buildings with similar use
- Future – Waste and water data

S-CAP Goal Alignment:

- 1.1.1. Collect and report annual, community-wide energy consumption
- 1.1.6. Create an energy reduction competition initiative
- 1.1.8. **Engage the industrial sector in utility-sponsored energy efficiency programs

- 1.3.3. Conduct a feasibility study of all municipal buildings' ability to achieve sustainable certifications

GHG Emissions and End-of-Year Sustainability Report

Update:

- Took a training class on ClearPath to learn what is new or has changed since prior assessment.
- We will have an end of year report draft prior to next meeting.

Next steps:

- Get gas data from consumers
- Survey city employees for mileage
- Determine pathways for sources that remain - Currently have City utilities, DTE community data, waste tonnage reports. Sources needed include gas data for community, city fleet gasoline and diesel, work-related travel emissions from finance, street light data,
- Enter data into ClearPath
- Build on draft of Sustainability Report.

Relevant Data:

- Electrical and gas data for all city buildings
- Electrical and gas data for all community
- Waste Data
- Scope 1 Fuel Data for city and community

S-CAP Goal Alignment:

- 1.1.1. Collect and report annual, community-wide energy consumption
- 1.3.3. Conduct a feasibility study of all municipal buildings' ability to achieve sustainable certifications

Solar

Update:

- We have hired Five Lakes Energy to assist in RFP finalization. Expecting draft soon.

- The Library Roof needs to be rebid to factor in the Responsible Contractor Ordinance. We will be issuing the roof at the Salter Center at the same time
- Finalizing the RFP to hire a solar contractor to assist in the planning of each project and to help with the D.O.E. grant funding paperwork.

Next steps:

- RFP for Library Roof
- RFP for Salter Center Roof
- RFP for Solar Consultants and Solar Projects
- Finish D.O.E. Paperwork

Relevant Data:

- No data at this time

S-CAP Goal Alignment:

- 1.2.3. Install a municipal solar and battery storage demonstration project
- 1.5.2. Develop a municipal facility as an emergency resilience hub with solar and storage to ensure 100% reliable energy
- 1.5.4. Evaluate access to the Salter Center as the current emergency hub

EV Charging

Update:

- Working on Paperwork necessary to bring out DTE planner for Senior Center.
- Red E contract for the Rip and Replace is currently with the city attorney's office undergoing final negotiations.

Next steps:

- Start EV Charging Project at the Senior Center
- Order the Senior Center Shuttle once grant funding is finalized
- Finalize Red E contract for Commission Meeting
- Determine upgrades needed for Senior Center.

Relevant Data:

- No data at this time

S-CAP Goal Alignment:

- 2.3.1. Install EV chargers at appropriate municipal locations

- 2.3.2. **Convert municipal fleet to EVs or other alternative fuel vehicles as appropriate facilities

Composting/waste

Update:

- Royal Oak Pitched at the Nextcycle Competition on Oct 2nd. We were awarded a \$5,000 grant for participating.
- Composting at Farmers Market is filling between nine and ten 64-gallon bins weekly. To date we have diverted just shy of 25 tons.
- Next Green Teams Meeting is November, 7th at 5 PM.

Next steps:

- Finalize Green Teams at all nine schools
- Roll out composting and assist Green Teams in finding a permanent pathway for a student-led program at each school.
-

S-CAP Goal Alignment:

- 3.1.1. **Develop educational recycling & composting programs for the residential and commercial sectors
- 3.1.2. Create a multimedia campaign for recycling & composting
- 3.1.5. **Develop and implement municipal waste reduction policies
- 3.3.1. **Research viability of residential food composting programs
- 3.3.2. **Develop a program to work with restaurants and grocery stores on composting options
- 3.3.2. **Develop a program to work with restaurants and grocery stores on composting options
- 3.4.1. Create a community-wide education campaign to manage rat population without the use of rodenticides

Marketing

Update:

- Launched the Leave Your Leaves Campaign. Responses have been primarily positive. Signs are for sale on Saturday at the Farmers Market and at City Hall. Learn More at Romi.gov/bees

Next steps:

Relevant Data:

- No relevant Data

S-CAP Goal Alignment:

- No S-Cap Alignment

SOCRRRA TONNAGE ANALYSIS
September 2024

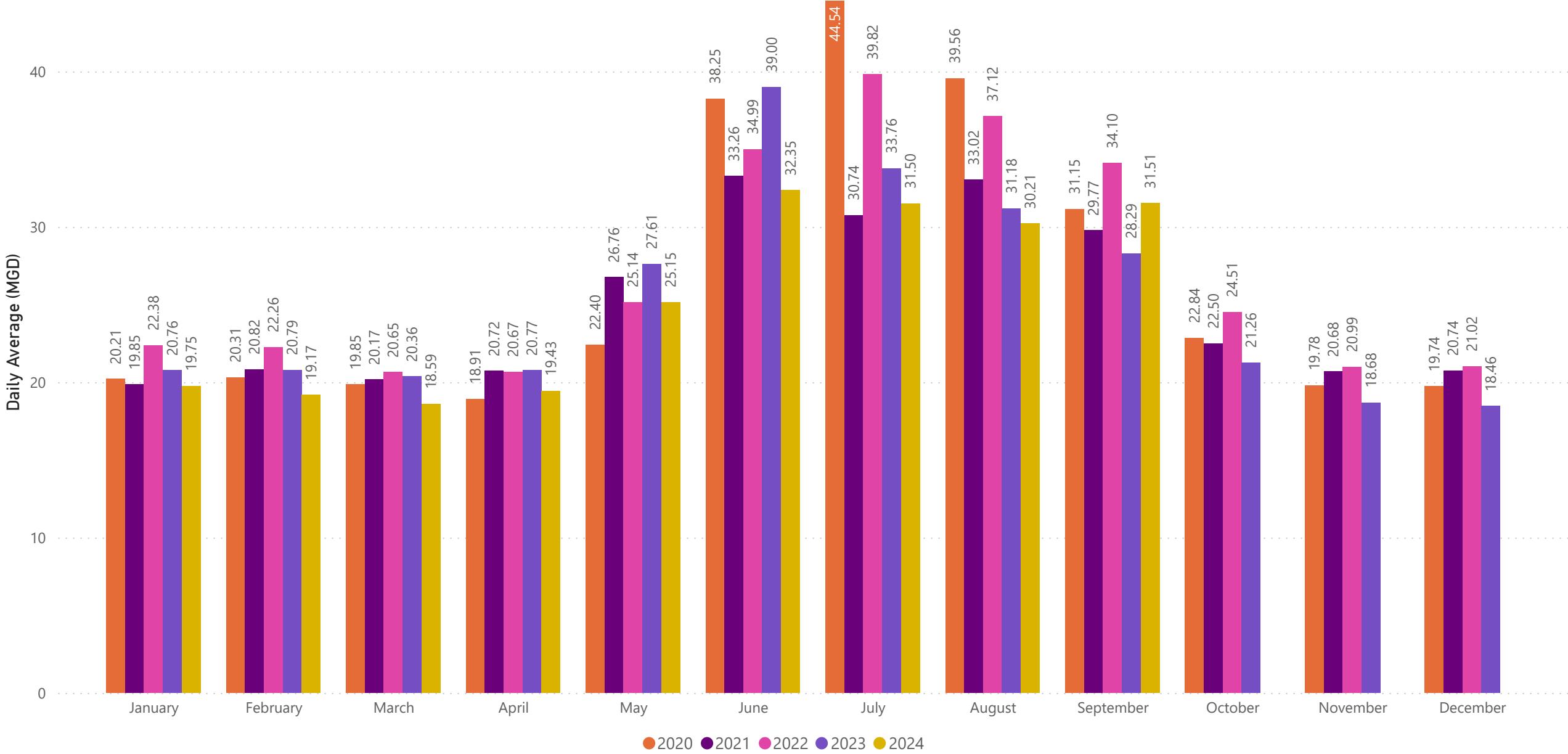
Municipality	MSW			Compost			Recyclables			Total		
	2022	2023	2024	2022	2023	2024	2022	2023	2024	2022	2023	2024
Berkley	555.8	558.8	507.2	125.0	112.5	123.8	123.4	130.9	104.2	804.1	802.2	735.1
Beverly Hills	279.1	283.1	328.4	140.0	122.5	170.0	86.9	81.2	88.2	506.0	486.8	586.6
Birmingham	826.9	791.3	744.4	155.8	144.6	149.2	203.4	181.5	168.4	1,186.2	1,117.4	1,062.0
Clawson	457.5	373.4	393.5	95.0	120.0	121.3	74.6	59.1	65.7	627.0	552.6	580.4
Ferndale	857.2	753.5	774.3	166.3	195.0	133.8	143.6	126.9	123.4	1,167.0	1,075.4	1,031.5
Hazel Park	576.8	584.2	649.8	100.0	133.5	175.0	72.9	74.0	68.1	749.7	791.7	892.8
Huntington Woods	163.1	164.1	145.2	37.5	42.5	73.8	66.4	54.6	49.8	266.9	261.1	268.7
Lathrup Village	135.9	138.6	154.9	31.3	40.0	38.8	21.4	23.0	26.6	188.6	201.5	220.2
Oak Park	888.7	886.1	720.0	153.0	126.0	165.0	86.3	88.7	82.2	1,128.0	1,100.8	967.2
Pleasant Ridge	82.2	60.9	94.4	25.0	40.0	45.0	24.4	22.8	27.5	131.5	123.7	166.8
Royal Oak	1,848.4	1,798.1	1,752.2	700.3	654.0	552.5	403.0	403.3	373.9	2,951.8	2,855.4	2,678.5
Troy	2,316.9	2,209.7	2,256.9	774.6	693.8	894.0	472.1	417.3	440.3	3,563.7	3,320.7	3,591.2
	9,755.0	9,974.0	8,521.0	2,755.9	3,075.0	2,641.9	1,977.4	1,935.9	1,618.1	14,488.3	14,984.8	12,781.0
Other Customers	4,461.8	2,447.1	3,696.6	-	-	12.5	564.4	633.4	727.5	4,740.0	5,095.2	4,436.6
Authority	14,449.4	14,241.6	12,217.6	2,755.9	3,075.0	2,654.4	2,598.2	2,904.3	2,345.6	19,803.5	20,220.9	17,217.5

SOCRRA TONNAGE PERCENTAGES

September 2024

Municipality	MSW	Compost	Recyclables
	Percentage of City's Total Waste Stream	Percentage of City's Total Waste Stream	Percentage of City's Total Waste Stream
Berkley	69%	17%	14%
Beverly Hills	56%	29%	15%
Birmingham	70%	14%	16%
Clawson	68%	21%	11%
Ferndale	75%	13%	12%
Hazel Park	73%	19%	8%
Huntington Woods	54%	27%	19%
Lathrup Village	70%	18%	12%
Oak Park	74%	17%	9%
Pleasant Ridge	57%	27%	16%
Royal Oak	65%	21%	14%
Troy	63%	25%	12%

SOCWA Average Daily Usage (MGD) by Month



City of Royal Oak Average Daily Usage (MGD) by Month

8

Daily Average (MGD)

6

4

2

0

January

February

March

April

May

June

July

August

September

October

November

December

● 2020 ● 2021 ● 2022 ● 2023 ● 2024

2018

2019

2020

Page 26 of 27

2021

2022

2023

2024

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY PRECIPITATION - INCHES (WEBSTER PUMPING STATION)													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1986	1.68	2.73	1.74	1.91	2.10	4.62	2.79	3.10	5.48	2.48	0.95	1.95	31.53
1987	1.55	0.58	1.90	2.03	1.61	3.18	4.30	5.31	2.30	2.00	2.80	2.80	30.36
1988	0.60	1.53	0.40	1.40	1.00	0.55	2.80	2.05	3.25	3.43	2.61	0.80	20.42
1989	0.71	0.35	1.30	1.25	2.22	3.85	2.15	1.39	5.53	1.45	2.80	0.50	23.50
1990	1.52	4.18	1.40	1.95	3.00	2.25	2.03	4.30	3.90	3.70	2.35	3.40	33.98
1991	0.90	0.45	1.37	1.65	5.46	1.79	1.92	3.36	0.72	3.64	2.65	2.05	25.96
1992	1.35	1.24	2.98	2.75	0.85	2.05	6.40	2.30	3.10	1.95	4.20	1.80	30.97
1993	3.64	0.82	1.15	2.80	1.20	4.91	2.05	2.85	5.85	1.75	1.50	0.45	28.97
1994	2.15	0.55	2.20	2.70	0.70	5.21	1.30	2.77	1.20	2.33	3.02	2.20	26.33
1995	1.32	0.85	1.15	2.05	2.80	2.25	4.45	4.15	1.00	3.25	3.05	0.95	27.27
1996	1.45	1.30	1.00	3.75	3.30	4.20	1.85	0.40	4.45	2.20	2.15	1.30	27.35
1997	1.45	2.75	3.15	0.85	4.55	1.55	2.20	1.90	3.45	2.15	0.50	1.30	25.80
1998	2.80	2.85	4.60	2.86	1.65	1.75	2.80	6.85	1.00	2.05	1.00	1.45	31.66
1999	3.75	1.30	0.55	3.85	2.80	4.55	2.65	1.40	2.60	0.60	1.45	2.70	28.20
2000	1.30	0.50	1.05	3.20	4.25	5.00	4.10	2.55	4.35	2.00	1.05	2.70	32.05
2001	0.12	2.70	0.30	2.98	4.50	2.30	2.10	1.65	4.00	6.65	1.70	1.55	30.55
2002	1.55	1.45	1.10	0.65	1.90	1.05	4.35	0.70	2.85	0.96	2.00	0.90	19.46
2003	0.25	0.20	1.25	2.05	4.70	4.65	0.50	2.40	3.20	2.10	3.60	2.30	27.20
2004	2.60	0.40	2.40	0.05	6.80	2.30	2.70	3.70	0.80	1.65	2.45	3.00	28.85
2005	2.50	3.10	0.55	1.70	0.70	1.50	3.20	0.65	2.95	0.30	3.95	1.60	22.70
2006	2.50	0.95	2.95	2.05	5.20	3.30	1.60	1.90	2.56	2.90	3.00	3.40	32.31
2007	3.30	0.65	4.90	2.25	2.60	2.75	1.00	4.55	1.20	2.35	1.90	4.75	32.20
2008	2.40	3.90	1.90	0.40	1.95	3.85	3.05	0.27	6.55	1.80	3.15	4.05	33.27
2009	2.85	1.95	6.31	6.85	3.35	3.20	1.55	4.00	1.56	2.85	0.20	2.80	37.47
2010	0.80	1.65	0.67	1.80	4.30	3.40	4.95	0.25	2.70	2.20	4.30	0.70	27.72
2011	2.20	5.75	3.20	5.20	5.40	2.40	3.40	3.30	7.80	3.20	5.60	3.10	50.55
2012	2.60	0.40	2.10	0.50	1.10	0.90	3.80	4.30	2.00	1.70	0.72	0.00	20.12
2013	1.90	2.10	1.00	5.10	2.10	4.60	3.00	3.30	2.00	3.10	2.40	3.60	34.20
2014	1.30	0.70	0.80	2.60	2.40	3.10	2.70	7.20	2.20	1.70	2.40	1.20	28.30
2015	2.60	1.20	0.40	0.70	3.00	3.40	1.30	2.10	1.30	1.80	1.30	1.50	20.60
2016	0.93	0.70	2.54	0.98	1.59	0.50	2.85	2.80	4.49	1.80	1.35	1.70	29.28
2017	2.30	2.00	2.80	2.40	2.90	0.70	1.10	2.30	0.70	5.70	4.30	1.50	28.70
2018	1.43	3.25	2.01	2.20	5.25	1.14	1.08	1.36	4.34	5.37	2.71	1.60	31.74
2019	1.52	2.03	1.96	3.73	3.59	4.11	7.15	3.04	4.84	4.97	1.52	2.60	41.06
2020	4.21	1.21	3.41	1.44	3.25	2.22	2.46	7.31	2.72	3.27	2.49	5.30	39.29
2021	0.89	0.42	2.34	1.18	3.63	8.06	7.15	5.64	6.00	6.20	2.39	4.30	48.20
2022	2.43	1.69	2.52	2.66	3.69	2.71	3.06	4.93	1.89	0.53	1.28	2.60	29.99
2023	1.48	1.76	1.63	3.92	1.07	4.77	4.25	5.47	1.42	3.14	1.19	3.40	33.50
AVG.	1.87	1.63	1.98	2.28	3.01	2.97	2.91	3.04	3.16	2.65	2.35	2.17	30.22
2024	6.34	1.63	1.74	2.5	1.37	7.84	7.45	6.47	0.66				36.00