



Meeting Minutes
Middletown Township Environmental Advisory Council
November 29, 2023

The meeting started at 5:30 PM

Roll Call & Introduction of Visitors

Members in attendance are indicated below in **Bold**.
Student members in attendance were introduced.

Visitors:

Pat Ramirez

Pat reported that at the Earth Care Meeting at Pennswood was well received. The meeting addressed the solar panel study done by the Middletown EAC.

Pat also addressed the question as to when to send a letter to the Board of Supervisors in regards to single use plastics ban. It was recommended that the letter be sent by the end of January 2024. The presentation on single use plastics will be held in February at the Environmentally Speaking Series.

Review and Approval of Previous Meeting Minutes

Minutes approved 6-0

Public Comments

No comments.

Committee Reports:

Building and Subdivision Review

Peter Tantala



Peter presented the following plans:

1. ***Orchard Square Apartments***, 1801 Old Lincoln Highway, Middletown Township.

The EAC review indicated only mild impact to existing natural resources. The impacts included the following:

- disturbance to woodlands, but with generous replanting of new trees, which appears to satisfy the code,
- protection of existing, localized wetlands, with observance of a 100' wetlands buffer margin,

The response from Bohler Engineering included a new plan showing and quantifying the natural resources. EAC suggests a deed restriction for replanting.

- It was noted that the area being developed consistently floods, and impacts to natural resources as a result of the proposed woodlands and steep slope removal should be expected.

PINDE search was requested and the response indicated that it was conducted. PA Fish and Boat Commission cleared the hit on the report.

The firm also acknowledged that the project will address the CAP.

Peter will send a response letter on December 1, 2023.

2. ***Oxford Health Care and Rehabilitation Center***: 300 E Winchester Ave Langhorne, PA 19047

Proposing an addition for twenty new beds. Minimal Parking.

Detention basin on property. Proposed the the addition will be put on stilts over a detention basin.

Not enough attention to storm water during construction.

Peter will send a letter addressing concerns on December. 1, 2023.



Community Garden:

Gerry Bender:

Gerry proposed a change in the manner in which the compost bins are being used. It was proposed that there be 3 skids with interchangeable signs in order to use compost effectively.

Gerry will inform Patrick of free garden boxes by January.

Garden clean-up on April 20, 2024.

9:30-11:30 AM

Beautification Committee:

Lauren Lareau:

Park cleanup on April 6, 2024.

9-11 AM

Forsythia Park

Juniper Hill

Snowball Gate

Tree Planting

Kevin Deeny (John Lopuszanski):

The tree planting took place on November 17, 2023.

Three trees each of the following: Ohio Buckeye (Aesculus Glabra) Northern Catalpa (Catalpa Speciosa) Sweetbay Magnolia (Magnolia Virginiana 'Moonglow') Chestnut oak (Quercus Prinus)

3 on Veteran's Highway, 3 in Lion's Park, 3 in Cobalt Park, and 3 in Forsythia Park.

Appreciation to DPW for their work planting!

Next tree planting in April 2024.

Climate Action Plan:

Kevin Deeny:

NEXT CAP meeting will be on January 10, 2024 at 5:30 PM

The topics addressed at the CAP meeting in November are as follows:

Single Use Plastics – letter from Pennswood anticipated.



Weatherization topics (4 related) to be consolidated and discussed next CAP mtg.
 PV Chargers update – Tesla/Hilton deal announced.
 Request data on apartment recycling reports (Nick?).
 BOS commendation involvement.
 Water sample from Mill Creek for baseline before using salt.
 Data request from PECO for solar supply was denied. DVRPC may have the ability to collect data.

Old Business :

Speaker Series:

Spring 2024: February 20: Faran Savitz, Penn Environmental: Single Use Plastics
 Kevin suggested that the presentation be held as a discussion. Survey will be given to participants.

March 19 Birdtown.

New Business:

CAP subgroup meeting planned for January 10, 2024 at 5:30
 Weatherization on how to insulate a wall presentation at Earth Day was suggested.
 EV presentation at Earth Day was also suggested.

Upcoming Events:

EVENT	DATE	TIME	
Environmentally Speaking Series:	February 20, 2024	6:30 PM	Single Use Plastics



	March 19, 2024	6:30 PM	Bird Town
Community Park clean-up	April 6, 2024	9-11AM	
Garden clean-up	April 20, 2024	9:30-11:30 AM	
Earth Day	April 27, 2024	11-2 PM	
Holiday Open House	December 7, 2023	5:30-8:30	

Motion for Adjournment :

The meeting was adjourned at 7:30 PM

Next Meeting: Unless otherwise noted, all EAC meetings are held the 4th Wednesday of every month, at the Middletown Township Building at 5:30.

Our next scheduled meeting will be on Wednesday January 24, 2024.

Middletown Township EAC Members

Chairperson: **Lauren Lareau**, Vice Chairperson **Andy McAloon**, Secretary: **Donna Fiedler**, Members: **Peter Tantala**, John Lopuszanski, **Gerry Bender**, **Kevin Deeny**, Township Liaison: **Paul Kopera**, Student Representatives: **Juliana Carragher**, **Ruhan Jaiharria**, **Katie Yimyan**, **Zachary Burnashov**.

CAP Re: WR-1B, 1F and 2C Status

Of the ten tasks in the Climate Action Plan that the EAC is currently engaged with, three relate to Waste and Recycling:

- WR-1B - Plastic Bag Alternatives
- WR-1F - Repurpose Consumable Food
- WR-2C - Expand Multifamily Recycling

Task WR-1B (Plastic Bags) is being addressed separately, but the remaining two tasks involve interaction with the township's recycling program. This program, structured by ordinance, is also grant-driven at the state level through PA DEP. Technical and administrative requirements of the program result in information collection of the types and quantities of recycle materials collected from residential and commercial sources within the township. Annual summaries are prepared by the township to support grant applications while a supplemental report is developed which summarizes both grant-eligible and other recycled material quantities. Information available for 2022 is included as an attachment. A review of this information indicates:

- The net¹ total recycled tonnage from residential sources = 3,213 tons.
- The net total recycle tonnage from commercial sources = 6,836.4 tons.
- State grant application forms don't specifically identify contributions from multifamily sources. These quantities are included in the overall residential category without specificity.
- State grant forms do not include a food category, but the township's summary does. Three large retail corporations reported a combined tonnage of 313.4 tons as Source Separated Food.² This information can serve to help define a baseline for task WR-1F above.
- The state average waste generation rate cited by PA DEP in their application instructions is 0.8 tons/person/year.
- Given Middletown's population of 45,654, the estimated per capita recycle rate is estimated to be: $(3,213 + 6,836.4) \text{ tons} / 45,654 = 0.22 \text{ tons/person/year}$.
- The estimated percentage of waste recycling is: $0.22 / 0.8 = 0.275$ or 27.5%.

This is the information we presently have as a starting point for the EAC effort. Prior years data are also available to illustrate trends.

Going Forward

Apartment complex information is not available in the existing summaries. It is expected to be aggregated into the residential category as reported by the haulers. We therefore don't presently have a

¹ A twenty percent (20%) factor is used to reduce the total hauled tonnage to account for residue and unrecyclable materials.

² Source Separated Food Scraps – Pre-consumer food wastes that are separated from municipal waste at the point of origin for the purpose of recycling and composting.

basis for determining the present level of recycling necessary for task WR-2C. Approaches to obtain that information could include:

- Contact the apartment complex management to request information.
- Contact the haulers to request the information. (This requires identification of the hauler used by the complex since these would be contracted services.)
- Determine if this information is already reported in some form but aggregated to meet the DEP reporting requirements.

It is also noteworthy that reporting is limited for commercial and institutional sources. Information is lacking for schools, hospitals, and many retailers, among others.

EAC effort on these tasks will require discussion and coordination with the township's Recycling Coordinator. The county Recycling Coordinator (Deanna Miller) has offered to attend an EAC meeting and discuss our efforts.

Attachment

2022 Recycling Reports

This is a re-construction of original hand-written forms for digital information purposes. Refer to the original as the official document.

THIS PAGE MUST BE UPLOADED WITH YOUR SUBMITTED GRANT APPLICATION THROUGH THE DCED ELECTRONIC SINGLE APPLICATION WEB SITE

2022 / Municipality, County: **Middletown Twp, Bucks County**

2022

TONNAGE SUMMARY FORM

Residential Tonnage

Business Hauler/Market	Old Newsprint	High Grade Office Paper	Corrugated	Other Marketable Grades of Paper	Mixed Paper	Aluminum Cans	Steel or Bimetallic Cans	Mixed Cans (Not Scrap Metals)	Amber Glass	Clear Glass	Green Glass	Mixed Glass	PET Plastics	HDPE Plastics	Other Plastics	Mixed Plastics	Commingled*	Single Stream*	Total	
Langhorne Scrap Metal Processing						2.4													2.4	
Leck Waste Sevices			42.0																33.0	75.0
Republic Services																			289.4	289.4
Waste Industries																			81.2	81.2
Waste Mgmt of Delaware Valley North																			3,568.2	3,568.2
TOTALS			42.0			2.4													3,971.8	4,016.2
Residue @ 20 % =																			803.2	

Total Residential Tons: 3,213.0

*If claiming residential commingled or single stream tonnage, use the space below to list the materials included in the tonnage:

Residential Single Stream includes: magazines, office paper, brown paper bags, newspaper, paperboard, cereal box cardboard, dairy and juice containers, corrugated cardboard, junk mail, phone books, glass bottles & jars, plastic bottles & containers (recycle types 1 through 7), aluminum, tin, & steel cans.

This is a re-construction of original hand-written forms for digital information purposes. Refer to the original as the official document.

THIS PAGE MUST BE UPLOADED WITH YOUR SUBMITTED GRANT APPLICATION THROUGH THE DCED ELECTRONIC SINGLE APPLICATION WEB SITE

2022 / Municipality, County: **Middletown Twp, Bucks County**

2022

TONNAGE SUMMARY FORM

Commercial Tonnage (Consolidated Haulers)

Business Hauler/Market	Old Newsprint	High Grade Office Paper	Corrugated	Other Marketable Grades of Paper	Mixed Paper	Aluminum Cans	Steel or Bimetallic Cans	Mixed Cans (Not Scrap Metals)	Amber Glass	Clear Glass	Green Glass	Mixed Glass	PET Plastics	HDPE Plastics	Other Plastics	Mixed Plastics	Commingled*	Single Stream*	Total		
Accurate Recycling Corp			868.6																868.6		
J.P. Mascaro & Sons																			116.9	116.9	
Leck Waste Services																			224.0	224.0	
McCullough Rubbish Removal																			22.3	22.3	
Republic Services			45.1																409.1	454.2	
Waste Mgmt of Delaware Valley North			2,880.6																3,978.9	6,859.5	
TOTALS			3,794.3																4,751.2	8,545.5	
																			Residue @	20 % =	1,709.1

Residue @ 20 % = 1,709.1

Total Commercial Tons: 6,836.4

*If claiming residential commingled or single stream tonnage, use the space below to list the materials included in the tonnage:

Commercial Single Stream includes: magazines, office paper, brown paper bags, newspaper, paperboard, cereal box cardboard, dairy and juice containers, corrugated cardboard, junk mail, phone books, glass bottles & jars, plastic bottles & containers (recycle types 1 through 7), aluminum, tin, & steel cans.

This is a re-construction of original hand-written forms for digital information purposes. Refer to the original as the official document.

THIS PAGE MUST BE UPLOADED WITH YOUR SUBMITTED GRANT APPLICATION THROUGH THE DCED ELECTRONIC SINGLE APPLICATION WEB SITE

2022 / Municipality, County: **Middletown Twp, Bucks County**

2022

TONNAGE SUMMARY FORM
Commercial Tonnage (Consolidated Market)

Business Hauler/Market	Old Newsprint	High Grade Office Paper	Corrugated	Other Marketable Grades of Paper	Mixed Paper	Aluminum Cans	Steel or Bimetallic Cans	Mixed Cans (Not Scrap Metals)	Amber Glass	Clear Glass	Green Glass	Mixed Glass	PET Plastics	HDPE Plastics	Other Plastics	Mixed Plastics	Commingled*	Single Stream*	Total
Aldi			127.0																127.0
Burlington			33.2																33.2
Dollar General			31.2													0.1			31.3
Giant Food Stores			1,106.0													42.5			1,148.5
J.C. Penney			227.3													6.8			234.1
Lowe's			92.8																92.8
Sam's Club			526.7		0.8								0.1	0.2	10.8			17.8	556.4
Target			271.1		0.6										3.0		6.7		281.4
Walgreens			49.6																49.6
Wawa																		41.6	41.6
TOTALS			2,464.9		1.4								0.1	0.2	13.8	49.4	6.7	59.4	2,595.9
Residue @ 0 % =																			0.0

Residue @ 0 % = 0.0

Total Commercial Tons: **2,595.9**

*If claiming residential commingled or single stream tonnage, use the space below to list the materials included in the tonnage:

Commercial Single Stream includes: magazines, office paper, brown paper bags, newspaper, paperboard, cereal box cardboard, dairy and juice containers, corrugated cardboard, junk mail, phone books, glass bottles & jars, plastic bottles & containers (recycle types 1 through 7), aluminum, tin, & steel cans.

This is a re-construction of original scanned document for digital information purposes. Refer to the original as the official document.

Annual Recycling Report - Middletown Township (2022)

Source	Material	Commercial (tons)	Total (tons)
Aldi	Cardboard	127.00	127.00
Burlington	Cardboard	33.20	33.20
Dollar General	Cardboard	31.18	31.35
	Paper: Mixed/Other Grades	0.05	
	Plastic: Mixed/Other	0.12	
Giant Food Stores	Cardboard	1,106.01	1,181.76
	Plastic: Mixed/Other	42.48	
	Source Separated Food	33.27	
J.C. Penney	Cardboard	227.30	257.20
	Plastic: Mixed/Other	6.80	
	Plastic: Film	17.60	
	Wood Waste (pallets)	5.50	
Lowe's	Cardboard	92.80	92.80
Sam's Club	Single Stream	17.81	1,074.03
	Cardboard	526.66	
	Paper: Mixed/Other Grades	0.82	
	Plastic: PETE	0.10	
	Plastic: HDPE	0.22	
	Plastic: LDPE	10.75	
	Aluminum Cans	0.04	
	Mixed Metals (hangers)	1.15	
	Batteries (auto)	22.59	
	Hazardous Waste	0.10	
	Tires	75.71	
	Source Separated Food	278.12	
	Wood Waste (pallets)	139.96	
Target	Commingled (bottles & cans)	6.68	288.34
	Cardboard	271.14	
	Paper: Mixed/Other Grades	0.63	
	Plastic: Mixed/Other	3.04	
	Mixed Metals	5.00	
	Source Separated Food	1.85	
Walgreens	Cardboard	49.56	49.56
Wawa	Single Stream	41.59	41.59
Total			3,176.83

This is a re-construction of original scanned document for digital information purposes. Refer to the original as the official document.

Annual Recycling Report - Middletown Township (2022)

Source	Material	Residential (tons)	Commercial (tons)	Total (tons)
Accurate Recycling	Cardboard		868.62	868.62
J.P. Mascaro & Sons	Single Stream		116.90	116.90
Langhorne Scrap Metal Processing, LLC (Drop Off)	Aluminum Cans	2.40		
	Aluminum Scrap	104.51	1,313.19	
	Mixed Metals	2,322.97	2,209.75	
	Non-Ferrous Metals	11.12	65.15	
	Copper	4.35	11.97	
	Brass	0.08	6.78	
	Lead	2.40		
	Stainless Steel	0.51	3.99	
	Nickel		0.02	
	Wire/Cable	17.04	623.20	
	Ferrous Metals	16.94	1,504.77	
	Batteries (other)	1.58	62.54	8,285.26
Leck Waste Services	Single Stream	33.00	224.00	
	Cardboard	42.00		
	Mixed Metals		11.00	310.00
McCullough Rubish Removal, Inc	Single Stream		22.30	22.30
Republic Services	Single Stream	289.60	409.06	
	Cardboard		45.14	
	Construction/Demolition	8.33	12.87	
	Misc. (wood)	9.92		774.92
Waste Industries	Single Stream	81.20		81.20
Waste Management of Delaware Valley North	Single Stream	3,568.16	3,978.89	
	Yard Waste	3,337.96		
	Cardboard		2,880.60	
	Wood Waste		151.50	
	Rubber Tires	8.45		13,925.56
Total		9,862.52	14,522.24	24,384.76