

1. Agenda

Documents:

[2023-02-22 ENVIRONMENT, HEALTH AND SUSTAINABILITY COMMISSION -
PUBLIC AGENDA-1787.PDF](#)

2. Meeting Materials

Documents:

[2023-02-22 ENVIRONMENT, HEALTH AND SUSTAINABILITY COMMISSION -
FULL AGENDA-1787.PDF](#)

AGENDA

Regular Meeting of the
Nichols Hills Environment, Health and Sustainability Commission
Wednesday, February 22, 2023 at 8:30 AM
City Hall, 6407 Avondale Drive
Nichols Hills, OK 73116

If special assistance is needed for this meeting by any person wishing to attend, please contact the City Clerk's office no later than 48 hours prior to the meeting, and such assistance will be provided.

Official action may be taken by the Environment, Health and Sustainability Commission only on items that appear on this Agenda. The Environment, Health and Sustainability Commission may dispose of the business set out on this Agenda by accepting, approving, adopting, rejecting, amending, or postponing action as to each item, as determined by the Environment, Health and Sustainability Commission.

1. Call to Order
2. Roll Call
3. Minutes
 - a. EHS Minutes - August 24, 2022
 - b. EHS Minutes - January 25, 2023
4. Consideration of adoption, approval, acceptance, rejection, amendment, and/or postponement of the following:
 - a. Report on Household Item, Electronic, and Hazard Waste Disposal and Recycling Event.
 - b. Discussion regarding 2023 Recycling Event.
 - c. Sustainability Plan update.
 - d. Butterfly Garden update.
 - e. Arbor Day/Love Family Park event discussion.
 - f. Acknowledge Commissioner Tyfanna Johnson's retirement from Nichols Hills Environment, Health, and Sustainability Commission.
5. Announcements
6. Adjournment

I certify that the forgoing was filed in the Office of the City Clerk at 9:20 AM on the 17th day of February, 2023 and posted in prominent view on the window at City Hall, 6407 Avondale Drive, at 10:00 AM on the 17th day of February, 2023; posted to the City of Nichols Hills website at <http://www.nicholshills.net> at 5:00 PM on the 17th of February, 2023; and transmitted by email at 5:00 PM on the 17th day of February, 2023 to those persons who have requested to be included on such notices pursuant to the Open Meeting Act and to those who have requested such notice.



City Clerk
City of Nichols Hills, Oklahoma

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City Clerk
City of Nichols Hills, Oklahoma

MINUTES

Regular Meeting of the
Nichols Hills Environment, Health and Sustainability Commission
Wednesday, August 24, 2022 at 8:30 AM
City Hall, 6407 Avondale Drive
Nichols Hills, OK 73116

**Original agenda filed in the Office of the City Clerk at 10:22 AM
on the 19th day of August, 2022.**

1. Call to Order
2. Roll Call

Attendee Name	Title	Status	Arrived
Nancy Herzel		Present	
Carleen Burger		Present	
Tyfanna Johnson		Absent	
Allison Petersen		Present	
Caroline Patton		Absent	
Andrew Thomas		Present	

3. Minutes
 - a. EHS Minutes - May 25, 2022
 - b. EHS Minutes - June 22, 2022

MOTION: Thomas moved to approve the May 25, 2022 and June 22, 2022 minutes as presented. Burger seconded the motion.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Andrew Thomas
SECONDER:	Carleen Burger
AYES:	Herzel, Burger, Petersen, Thomas
ABSENT:	Johnson, Patton

4. Consideration of adoption, approval, acceptance, rejection, amendment, and/or postponement of the following:
 - a. Discussion regarding Household Item, Electronic, and Hazard Waste Disposal and Recycling Event.

Chairman Nancy Herzel discussed the upcoming Hazardous Household Waste & Recycling Event, September 24, 2022, to be held at the corner of Avondale and Sherwood from 9am - noon. Chairman Herzel distributed flyers to the Commissioners to distribute two weeks prior to the event at the area businesses.

b. Sustainability Plan discussion.

Chairman Nancy Herzel discussed the survey that was sent out to the residents, which confirmed the areas addressed in the Sustainability Plan were in line with the concerns of the residents. Chairman Herzel thanked the City staff for their input. Polco, the company used to administer the survey, will be at the September 13, 2022, City Council meeting to discuss the survey results.

Commissioner Petersen also discussed the Inflation Reduction Act of 2022 which addresses cutting energy bills and reducing carbon emissions. Commissioners discussed with staff on how to proactively encourage residents to use the technology of solar panels, wind generators, and closed looped geothermal systems. City Manager Shane Pate stated that the City will be reviewing new Building Codes and will review those with the Commission.

5. Announcements

There were no announcements.

6. Adjournment

MOTION: There being no further business, Burger moved to adjourn the meeting. Thomas seconded the motion.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Carleen Burger
SECONDER:	Andrew Thomas
AYES:	Herzel, Burger, Petersen, Thomas
ABSENT:	Johnson, Patton

Chairman
City of Nichols Hills, Oklahoma

City Manager
City of Nichols Hills, Oklahoma

City Clerk
City of Nichols Hills, Oklahoma

MINUTES

Regular Meeting of the
Nichols Hills Environment, Health and Sustainability Commission
Wednesday, January 25, 2023 at 8:30 AM
City Hall, 6407 Avondale Drive
Nichols Hills, OK 73116

**Original agenda filed in the Office of the City Clerk at 12:31 PM
on the 20th day of January, 2023.**

1. Call to Order
Nichols Hills Environment, Health and Sustainability Commission did not have a quorum; therefore, no business was conducted.

2. Roll Call

Attendee Name	Title	Status	Arrived
Nancy Herzel		Absent	
Carleen Burger		Absent	
Tyfanna Johnson		Absent	
Allison Petersen		Absent	
Caroline Patton		Absent	
Andrew Thomas		Absent	

3. Minutes
 - a. EHS Minutes - August 24, 2022
4. Consideration of adoption, approval, acceptance, rejection, amendment, and/or postponement of the following:
 - a. Sustainability Plan update.
 - b. Report on Household Item, Electronic, and Hazard Waste Disposal and Recycling Event.
 - c. Butterfly Garden update.
 - d. Arbor Day/Love Family Park event discussion.
 - e. Acknowledge Commissioner Tyfanna Johnson's retirement from Nichols Hills Environment, Health, and Sustainability Commission.
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Chairman
City of Nichols Hills, Oklahoma

City Manager
City of Nichols Hills, Oklahoma

City Clerk
City of Nichols Hills, Oklahoma

City of Nichols Hills Collection Event Report
 September 24, 2022
 9AM to 12PM
 At old church site, corner of Avondale & Sherwood
170 residents participated

THANK YOU:Public Works

Director Randy Lawrence for organizing, oversight & leadership
 Dillon Thompson
 Walt Gibson
 Quincy Colbert
 Walter Givens

Police:

Corporal Stan Stough

EHSC:

Nancy Herzel
 Carleen Burger
 Caroline Patton

RESIDENTS:

Larry Herzel
 Guy Patton

ELECTRONICS:

UNITED ELECTRONIC RECYCLING received 5.4K lbs as shown on pages 4 to 7. This material will be separated into the different commodities such as plastics and metals and be sent back out to be turned into new items.

Jason Keller "Be consistently self-aware and humble of our environment while keeping a clear vision for our future."

United Electronic Recycling

Mobile Shred IT - Paper Shredding

Mobile: 405-213-3431

Address: 505 Airline Dr, Coppell, TX 75019

Website: www.uerteam.com

Email: jkeller@unitedelectronicrecycling.com



PAPER to SHRED:

ABSOLUTE DATA collected 350 pounds of paper to shred. The paper is taken to their facility until they have a Georgia Pacific semi-load full of 2K pound of paper bales.

The semi-truck takes the paper to the Georgia Pacific recycling facility in Muskogee OK where all of it is recycled into their products, for example, paper, toilet paper, paper towels, etc. All re-used.

ABSOLUTE DATA, Bryan Reid, 405.321.7226, Norman OK, www.shredok.com



RECYCLING:

FERTILE GROUND collected approx. 6 cubic yards of commingled recycling (cardboard, paper, plastics #1, #2, #5, aluminum and steel cans) which weighs approximately .23 tons.

According to the EPA's WARM model, by recycling instead of landfilling this waste Nichols Hills has avoided producing approximately .78 metric tons of CO2E emissions. That is the equivalent of approximately 2.03 cars taken off the road!

Fertile Ground takes recycling very seriously and do everything in their power to ensure that the material that they collect actually gets recycled. Many of the big-name recycling companies also own landfills. Since they make money either way, a lot of what is taken to them does not actually get recycled. Because of this, Fertile Ground is committed to taking all of the recyclables that they collect to recycling facilities that do not also own landfills. This gives them a financial incentive to actually recycle everything possible so that they don't have to pay a landfill to take things to.

Fertile Ground used to take their recycling to Batliner, who is still a good option that they trust for recycling. There has been misinformation from big recycling hauling companies that used to take their glass to Batliner. For the record, Batliner does still recycle glass. However, when glass is collected together with other recyclables, the broken pieces get mixed up with small pieces of plastic and paper, making them difficult and expensive to sort and clean.

Smurfit Kappa recycling center who currently handles the commingled recycling from Fertile Ground, does not accept glass.

- Mixed Paper is baled at their facility then goes to their Media mill in Forney TX where it is turned into a top liner for boxes that have printable media on them and
- OCC (cardboard) goes to their Fiber Mill in Forney TX and is made into liner board, the center part of a box.

(Then both are sent to their many box plants in Mexico, Ft Worth TX, Phoenix AZ, and Orange County CA).

- Aluminum goes to Quick Service Steel in OKC, OK,
- Steel Cans are going to Amarillo Recycling in Amarillo TX
- Plastics are going to two locations: one is AP & J Recycling in Fort Worth TX, and a facility in MO that is turning it into Pallets and fencing/ decking products
- Trash or out throws are taken to the southeast landfill

The Fertile Ground team sought out and found a solution to the glass problem. They now offer a separate glass recycling pick up service. All of the glass that they collect goes straight to Dlubak Glass Company, a local glass recycler based in Okmulgee, OK. There it is turned into glass cullet which is then sold for the production of new glass products. By collecting glass separately and sending it to be processed here in Oklahoma they are reducing the energy necessary to sort and clean it as well as reducing the emissions of trucking the glass to other states for processing.



Courtney Hurst
405-633-0264
www.fertilegroundok.coop



MIDWEST CITY HAZARDOUS WASTE:

Pages 8 & 9 show the hazardous waste collected by Midwest City. Of note: Oil & latex paint was combined for free re-use and good cans of aerosols were also collected for re-use.

Certificate of Recycling



United Electronic Recycling
855-837-8326 | uerteam.com

Recycling Today for a Better Tomorrow

EPA# TXR000081592



This document certifies that United Electronic Recycling has completed the Recycling Process in accordance with Department of Defense specifications and in compliance with all Local, State, and Federal EPA guidelines. We follow the R2 Recycling Reuse and then disposal as well as ISO 14001, and OSHAS 18001 Requirements.

City of Nichols Hills

Att: Randy Lawrence

Date Received: 09/24/2022

E-Mail rlawrence@nicholshills.net

Address:

6492 Avondale Dr.

Nichols Hills, OK 73116

Job Number: CNH-SOP-01092422

Customer ID: CNH-01

5,423

lbs. Electronics Recycling

Customer Signature

United Electronic Recycling Signature

Customer Name	City of Nichols Hills
Customer Advocate	JASON KELLER
Job Number	CNH-SOP-01092422
Pickup Date	9/24/2022 12:00:00
Primary Sort Date	09/24/2022



Materials Detail *Summary*

Commodity	Pieces	Gross Weight	Tare Weight	Net Weight
CRT TELEVISIONS	4	436	40	396
MIXED ELECTRONICS - ST	8	4987	520	4,467
Totals	12	5423	560	4,863

Customer Name	City of Nichols Hills
Customer Advocate	JASON KELLER
Job Number	CNH-SOP-01092422
Pickup Date	9/24/2022 12:00:00
Primary Sort Date	09/24/2022



United Electronic Recycling, LLC

Materials Detail - DETAIL

Commodity	Pieces	Gross Weight	Tare Weight	Net Weight
AC ADAPTERS - with Wire - FG	1	81	0	81
ALL-IN-ONE COMPUTERS - FG	5	108	0	108
ALUMINUM - DIRTY - FG	1	20	0	20
BATTERIES-ALKALINE - FG	1	54	0	54
CABLE BOX - FG	1	14	0	14
CAMERAS - FG	1	41	0	41
CARDBOARD - FG	1	15	0	15
CELL PHONE with BATTERY - FG	47	14	0	14
CRT MONITORS - FG	5	121	0	121
CRT TELEVISIONS	4	436	40	396
DESKTOPS - CORE 1 AND ABOVE - FG	2	34	0	34
DESKTOPS - CORE2 and Below - FG	19	418	0	418
HARD DRIVES COMPLETE - FG	16	27	0	27
LAPTOPS - CORE2 AND BELOW - FG	33	166	0	166
LCD MONITORS - 15" - FG	2	18	0	18
LCD MONITORS - 17" - FG	4	35	0	35
LCD MONITORS - 19" - FG	10	82	0	82
LCD MONITORS - 21" Widescreen - FG	8	85	0	85
LCD MONITORS - CRACKED - FG	4	36	0	36
LCD TELEVISION - FG	6	233	0	233
MIXED ELECTRONICS - LOW GRADE - FG	1	2058	0	2,058
MOTORS - FG	2	63	0	63

Materials Detail

Commodity	Pieces	Gross Weight	Tare Weight	Net Weight
NETWORK EQUIPMENT - Plastic - FG	1	35	0	35
NETWORK EQUIPMENT - Steel - FG	1	88	0	88
PACKAGING MATERIAL - FG	2	10	0	10
PRINTERS - FG	11	226	0	226
TABLETS - FG	16	14	0	14
TONER - FG	1	10	0	10
UPS - BATTERY ONLY - FG	2	110	0	110
UPS - With Battery - FG	7	136	0	136
WIRE - CAT 5 & CAT 6 - FG	1	5	0	5
WIRE - Mixed - FG	1	150	0	150
WOOD - Pallets	1	520	0	520
Totals	218	5463	40	5,423

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**September 24th, 2022 - City of Nichols Hills
Mobile Collection Event Invoice**

Disposal	Lbs. Collected	Lbs. Disposed	Lbs. Reused
Latex	4984.7	4713.1	271.6
Antifreeze	110.1	110.1	0.0
Flammable Liquid	259.9	166.1	93.8
Flammable Solid	133.4	133.4	0.0
Posions	1391.0	932.8	458.2
Oil Based Paint	1175.2	1157.0	18.2
Oxidizers	67.4	67.4	0.0
Corrosives	332.1	306.3	25.8
Aerosols	276.9	147.3	129.6
Waste Oil	388.5	388.5	0.0
Alkaline Batteries	44.6	44.6	0.0
Propane Tanks	3.8	0.0	3.8
Fluoroscent Bulbs	7.0	7.0	0.0
Lead Acid Batteries	392.2	392.2	0.0
Totals	9566.8	8565.8	1001.0

Number of residents

170

Invoice Amount

\$18,700.00

Cost per resident

\$110.00

September 24th, 2022 - City of Nichols Hills Mobile Collection Event						
Disposal	Lbs. Collected	Lbs. Disposed	Lbs. Reused	Gallons Collected	Gallons Disposed	Gallons Reused
Latex	4,984.70	4,713.10	271.60	474.73	448.87	25.87
Antifreeze	110.10	110.10	0.00			
Flammable Liquid	259.90	166.10	93.80	43.32	27.68	15.63
Flammable Solid	133.40	133.40	0.00			
Poisons	1,391.00	932.80	458.20			
Oil Based Paint	1,175.20	1,157.00	18.20	175.40	172.69	2.72
Oxidizers	67.40	67.40	0.00			
Corrosives	332.10	306.30	25.80			
Aerosols	276.90	147.30	129.60			
Waste Oil	388.50	388.50	0.00	55.50	55.50	0.00
Alkaline Batteries	44.60	44.60	0.00			
Propane Tanks	3.80	0.00	3.80			
Flouroscent Bulbs	7.00	7.00	0.00			
Lead Acid Batteries	392.20	392.20	0.00			
	9,566.80	8,565.80	1,001.00	748.95	704.74	44.22