



Solid Waste Advisory Committee

**November 15, 2018
10:00 a.m.**

Agenda



Central Texas Solid Waste Advisory Committee (SWAC)

**Central Texas Council of Governments Building
2180 North Main Street, Belton, TX 76513
November 15th, 2018, 10:00 am**

Agenda

- I. Call to Order
- II. Public Comments
- III. Staff Update
- IV. Action Item: Approval of May 31, 2018 Meeting Minutes
- V. Action Item: Nomination of Vice Chair
- VI. Action Item: Approval of Stericycle Contract Price Adjustment
- VII. Discussion Item: Temple HHW Event data report
- VIII. Discussion Item: Presentations by applicants for FY2019 Household Hazardous Waste (HHW) events
- IX. Action Item: Scoring and Selection of Household Hazardous Waste (HHW) events and Funding Allocation for 2019
- X. Member Comments/Discussion
- XI. Next Meeting Date and Agenda Items
- XII. Adjournment

Item #4:
Meeting Minutes



SOLID WASTE ADVISORY COMMITTEE

Thursday, May 31, 2018

10:00 AM

Central Texas Council of Governments (CTCOG)
2180 North Main Street
Belton, TX 76513

Voting Members Present

Lisa Sebek –City of Temple
Comm. Opie Watkins - Milam County
Peter DiLillo – City of Killeen
Bill Parry—City of Gatesville
Comm. Johnny Wagner – Hamilton County
Mark Hyde – City of Harker Heights
Noel Watson – City of Copperas Cove
Commissioner Daren Moore – Coryell County

Others Present

Quinn Vance – City of Copperas Cove
Bill Gould – City of Killeen
John Weber - CTCOG
Sydnee Steelman - CTCOG
Uryan Nelson – CTCOG
Kendra Coufal – CTCOG

I. WELCOME AND INTRODUCTIONS:

- Peter DiLillo called the meeting to order at 10:00am.

II. PUBLIC COMMENTS:

- There were no public comments.

III. ACTION ITEM: APPROVAL OF November 8, 2017 MEETING MINUTES:

- The approval of minutes was moved up in the agenda by Peter DiLillo.
- Mark Hyde moved to approve the November 8, 2017 minutes. Motion was seconded by Noel Watson and passed unanimously.

IV. STAFF UPDATE:

- John Weber announced that Sydnee Steelman would be taking over the Solid Waste Grant Program for the CTCOG.

V. DISCUSSION ITEM: TEXAS A&M UNIVERSITY-CENTRAL TEXAS SOLID WASTE DATA COLLECTION:

- Dr. Vinay Gomela, Assistant Professor of Management, with Texas A&M – Central Texas, presented information on his professional work with solid waste.

- Dr. Gomela requested data regarding compost after his presentation, however members stated that this data is not collected.

VI. DISCUSSION ITEM: UPDATE ON FY2018 HOUSEHOLD HAZARDOUS WASTE (HHW) EVENTS:

- John Weber discussed the survey results gathered from each HHW event hosted in 2018.
- SWAC members conversed about their individual events and provided suggestions for future events.

VII. DISCUSSION AND ACTION ITEM: PUBLISHING CALL FOR APPLICATIONS FOR FY2019 HOUSEHOLD HAZARDOUS (HHW) EVENTS:

- John Weber and Peter DiLillo discussed the applications for 2019 HHW events.
- Peter DiLillo suggested sending out the applications on or before August 1, 2018 to allow applicants plenty of time before the October 31, 2018 due date.
- A motion to approve the application content was made by Johnny Wagner, and seconded by Lisa Sebek. Motion passed unanimously.

VIII. DISCUSSION AND ACTION ITEM: CONTRACT OPTION FOR STERICYCLE CONTRACT:

- SWAC members discussed the contract options, which included extending with Stericycle for one additional year or find another contractor.
- Members expressed some issues they have had with Stericycle at HHW events. Bill Parry stated that the contractors showed up an hour late on the day of the events, other members said they had the same problem.
- Members chose to renew with Stericycle until October 26, 2019 and then find another contractor.
- Motion made by Lisa Sebek, and seconded by Mark Hyde. Bill Parry abstained.

X. SET NEXT MEETING DATE AND AGENDA ITEMS:

- Next meeting date is tentatively set for November 2018.

XI. ADJOURNMENT: Meeting was adjourned at 10:53 a.m.

Zoe Rascoe, SWAC Chair

John Weber, CTCOG Solid Waste Coordinator

Item #5: Nomination of Vice Chair



**Solid Waste Advisory Committee
November 15, 2018
Agenda Item #5**

Nomination of Vice Chair

Staff is seeking a nomination for the Vice Chair position. The term will be from November 15, 2018 to November 15, 2020.

Action Item: Nominate Vice Chair.

Item #6: Approval of Stericycle Contract Price Adjustment



**Solid Waste Advisory Committee
November 15, 2018
Agenda Item #6**

Stericycle Contract Price Adjustment

At the last SWAC meeting (5/31), the committee decided to renew its contract with Stericycle for one additional year. Staff recently received a notice from Stericycle regarding an increase in service prices from its 2015 prices.

Staff is seeking approval from the committee to still proceed with the 1-year contract renewal option after review of the price adjustments.

Action Item: Approval of Stericycle Contract Price Adjustment.

Attachment C: COST PROPOSAL AND DISPOSAL METHOD

NOTE: For all categories, please list actual price; do not list as "No Charge" or "Included with Disposal Costs".

Mobilization, Demobilization, and On-Site Equipment		2018 Price
On-site labor (per hour)	\$ <u>35</u>	\$36.40
Chemists	\$ <u>45</u>	\$46.80
Technicians	\$ <u>35</u>	\$36.40
Transportation		
Incineration		
55 gallon drum	\$ <u>25</u>	\$26.00
30 gallon drum	\$ <u>25</u>	\$26.00
16 gallon drum	\$ <u>20</u>	\$20.80
5 gallon drum	\$ <u>10</u>	\$10.40
Cubic Yard boxes	\$ <u>75</u>	\$78.00
Other	\$ <u>NA</u>	
Landfill		
55 gallon drum	\$ <u>25</u>	\$26.00
30 gallon drum	\$ <u>25</u>	\$26.00
16 gallon drum	\$ <u>20</u>	\$20.00
5 gallon drum	\$ <u>10</u>	\$10.40
Cubic Yard boxes	\$ <u>75</u>	\$78.00
Other	\$ <u>NA</u>	
Neutralization		
55 gallon drum	\$ <u>25</u>	\$26.00
30 gallon drum	\$ <u>25</u>	\$26.00
16 gallon drum	\$ <u>20</u>	\$20.80
5 gallon drum	\$ <u>10</u>	\$10.40
Cubic Yard boxes	\$ <u>75</u>	\$78.00
Other	\$ <u>NA</u>	
Recyclable Materials		
55 gallon drum	\$ <u>25</u>	\$26.00
30 gallon drum	\$ <u>25</u>	\$26.00
16 gallon drum	\$ <u>20</u>	\$20.80
5 gallon drum	\$ <u>10</u>	\$10.40
Cubic Yard boxes	\$ <u>75</u>	\$78.00
Other	\$ <u>720.39 per CuYd paint rolloff</u>	\$749.21

Supplies (per unit cost)

2018 Price

2018 Price

Drums	New	2018 Price	Reconditioned	2018 Price
85 gallon drum	\$ <u>180</u>	\$187.20	\$ <u>140</u>	\$145.00
55 gallon drum	\$ <u>65</u>	\$67.60	\$ <u>40</u>	\$41.60
30 gallon drum	\$ <u>45</u>	\$46.80	\$ <u>35</u>	\$36.40
14 gallon drum	\$ <u>35</u>	\$36.40	\$ <u>25</u>	\$26.00
5 gallon pail	\$ <u>15</u>	\$15.60	\$ <u>NA</u>	
5 gallon drum	\$ <u>15</u>	\$15.60	\$ <u>NA</u>	

Cubic yard boxes	\$ <u>50</u>	\$52.00
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Absorbents

Corn cob	\$ <u>NA</u>	
Bentonite	\$ <u>20</u>	\$20.80
Cellulose	\$ <u>NA</u>	

Plastic sheets (per roll)	\$ <u>75</u>	\$78.00
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Tents (per unit/per day)	\$ <u>NC, SES-Avalon provides</u>	
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Forklifts (per day)	\$ <u>300</u>	\$312.00
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Pallets (per unit)	\$ <u>12</u>	\$12.48
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Pallet jacks (per unit)	\$ <u>No Charge</u>	
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Oil Dry	\$ <u>17</u>	\$17.68
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Saw Dust	\$ <u>NA</u>	
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Containers for non-hazardous waste disposal (per unit)	\$ <u>400</u>	\$416.00
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Containers for non-hazardous waste recycled (per unit)	\$ <u>400</u>	\$416.00
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Signage	\$ <u>No Charge</u>	
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Traffic control devices and safety cones	\$ <u>No Charge</u>	
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First aid supplies	\$ <u>No Charge</u>	
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Portable restroom facilities (per unit)	\$ <u>150</u>	\$156.00
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Analysis (as needed)

Unknown lab pack Fingerprint Test	\$ <u>No Charge</u>	Full analysis
for incineration	\$ <u>Cost + 15%</u>	Cost*1.04 + 15%
TCLP test for landfill	\$ <u>Cost + 15%</u>	Cost*1.04 + 15%

List Manpower quality and price:

Project Manager	\$ <u>45</u>	\$46.80
Chemists	\$ <u>45</u>	\$46.80
Technicians	\$ <u>35</u>	\$36.40
Technical Assistants	\$ <u>35</u>	\$36.40
Mobilization fee	\$ <u>2,550</u>	\$2,652.00

Disposal—All waste will be weighed prior to packaging and the resultant weight will be considered the "net weight". Each waste type has at least one disposal option listed. Where disposal options exist, the subcontractor will select the option to be utilized prior to collection. Unless otherwise indicated, list the price per net pound for each waste type.

DISPOSAL COST OPTIONS

Waste Category	Waste Management Method	Waste Handling Method	Cost per Pound	
FLAMMABLES			2018 Price	
Flammable Liquids	FB	LO	.66	\$.69
Bulked Flammable Liquids+	FB	BU	1.20/g	\$1.25/g
Flammable Solids	FB	LO	1.05	\$1.09
Oil-Based Paints	FB	GB	.50	\$.52
POISONS (excluding aerosols)				
Pesticides	IN	LO	1.00	\$1.04
Others				
CORROSIVES				
Inorganic Acids	NE	LO	1.75	\$1.80
Organic Acids	IN	LO	1.90	\$1.98
Inorganic Bases	NE	LO	1.00	\$1.04
Organic Bases	IN	LO	1.90	\$1.98
OXIDIZERS				
Neutral Oxidizers	NE	LO	1.33	\$1.38
Organic Peroxides	IN	LB	5.20	\$5.41
Oxidizing Acids	NE	LO	2.10	\$2.18
Oxidizing Bases	NE	LO	2.10	\$2.18
Solid Oxidizers	NE	LO	1.33	\$1.38
Others				
AEROSOLS				
Corrosive Aerosols	IN	GB	1.10	\$1.14
Flammable Aerosols	FB	GB	1.10	\$1.14
Poisonous Aerosols	IN	GB	1.10	\$1.14
Aerosol Cans	IN	GB	1.10	\$1.14
OTHERS				
Oil-Based Paints	FB	GB	.50	\$.52
Latex Paints	RC	GB	.30	\$.31
Antifreeze+	RC	BU	1.00/g, \$.10/lb.	\$1.04/g, \$.10/lb.
Alkaline Batteries	RC	LO	.93 min. \$25	\$.97, \$25 min
Lead Acid Batteries	RC	LO	.15 min. \$10	\$.16, \$10 min.
Lithium Batteries	RC	LO	5.20 min. \$50	\$.5.41,\$50min.
Lithium-Ion Batteries	RC	LO	1.13 min. \$25	\$1.17, \$25 min.
Nicad Batteries	RC	LO	.90 min. \$25	\$.94, \$25 min.
Mercury (Metallic)	RC	LB	6.20	\$6.45
Mercury (in Items/Debris)	RC	LB	6.20	\$6.45
Propane Cylinder++	RC	LO	1.50 min. \$15	\$1.56, \$15 min.
Dichloropropionanilide	IN	LB	1.10	\$1.04

Fire Extinguishers	RC	LO	1.50 min. \$15	2018 Price \$1.56, \$15 min.
Gasoline and Water	FB	BU	.12	\$.13
Helium Cylinder	RC	LO	1.00 min. \$50	\$1.04, \$50 min.
Monochlorodifluoromethane	IN	LO	1.00	\$1.04
R-22 Refrigerant	RC	LO	1.00 min. \$50	\$1.04, \$50 min
Used Diesel Fuel	FB	BU	.12	\$.13
Used Diesel Oil	FB	BU	.12	\$.13
Fluorescent Bulbs/Tubes	RC	LO	.80 min. \$15	\$.83, \$15 min.
Reactives	IN	LB	5.20	\$5.41, 25 lb.min.
Reactive when Wet	IN	LB	5.20	\$5.41, 25 lb. min.
NON-HAZARDOUS (MISC)	LF	LO	.25	\$.26
Energy & Insurance Recovery				
Fee 5%				

+ Price per gallon ++ Price per unit

RC – Recycling

NE – Neutralization

FB – Fuel Blending

IN – Incineration

LF – Landfill

LB – Lab Pack

Bu – Bulk

GB – Gaylord Box

LO – Loose Pack

Item #7: Temple HHW Data Report



**Solid Waste Advisory Committee
November 15, 2018
Agenda Item #7**

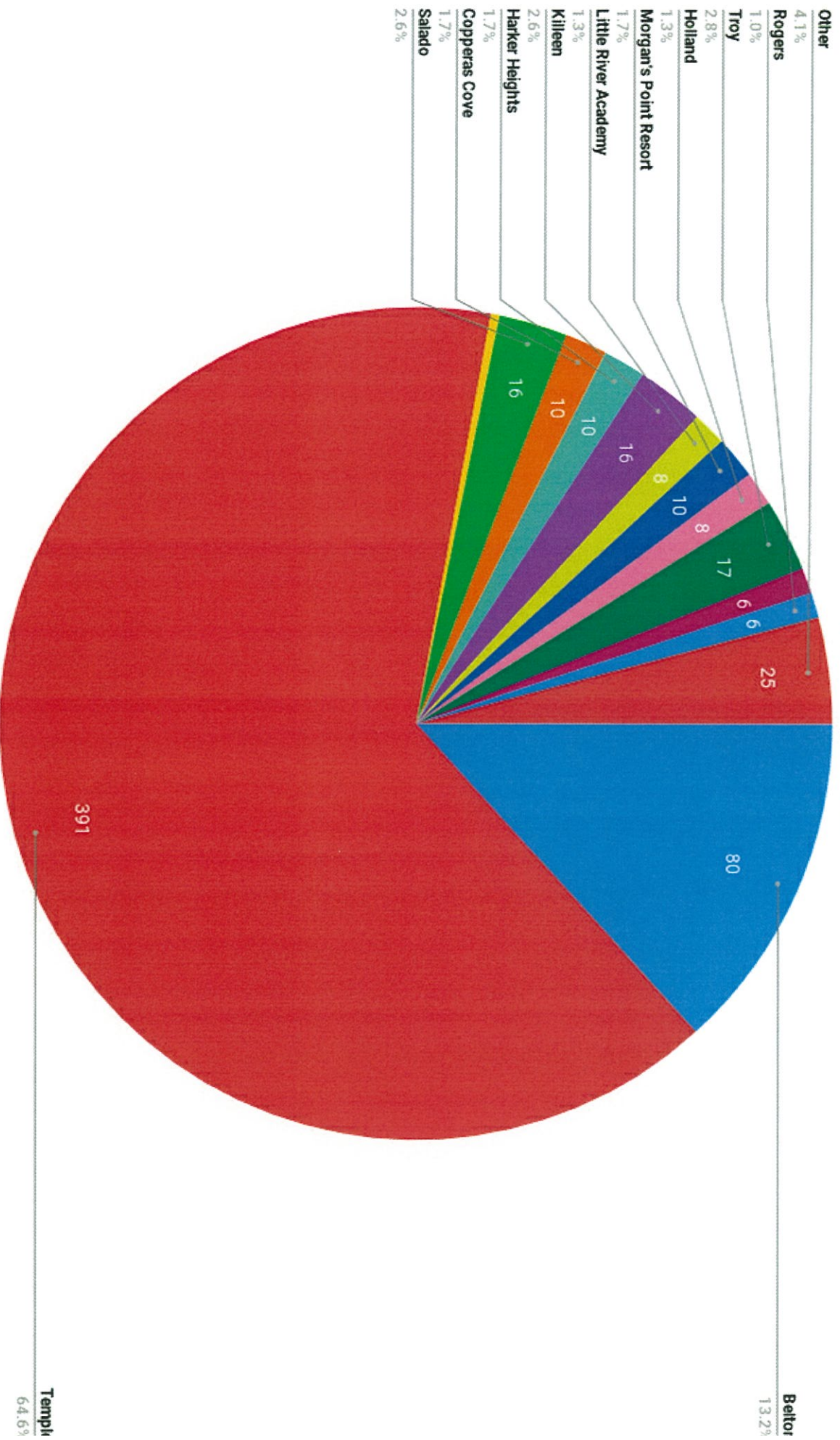
Temple Household Hazardous Waste Event Data Report

The Temple HHW Event was held on September 29, 2018. A total of 605 vehicles came through the event.

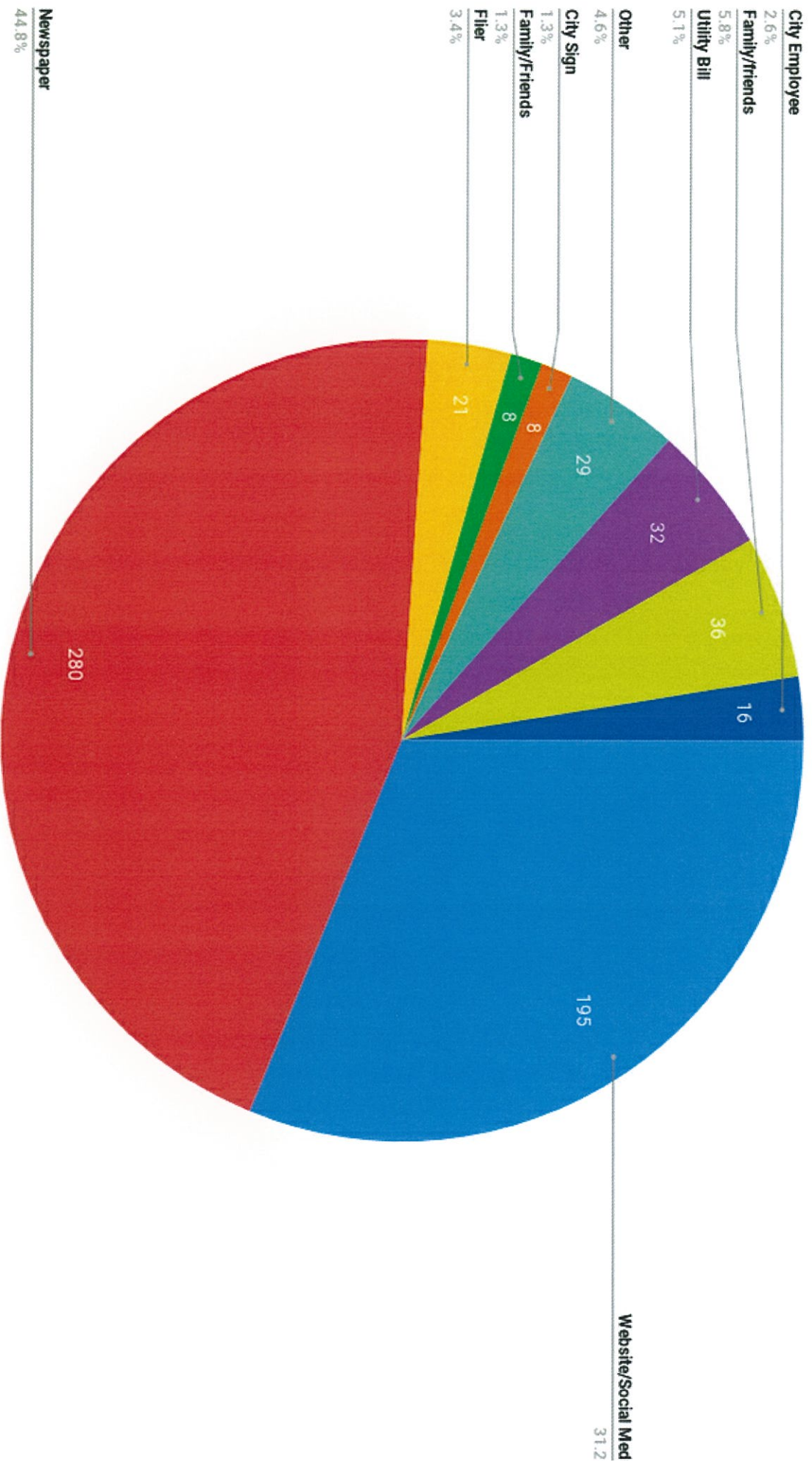
See packet for further survey results.

Discussion Item: No action needed; for discussion only.

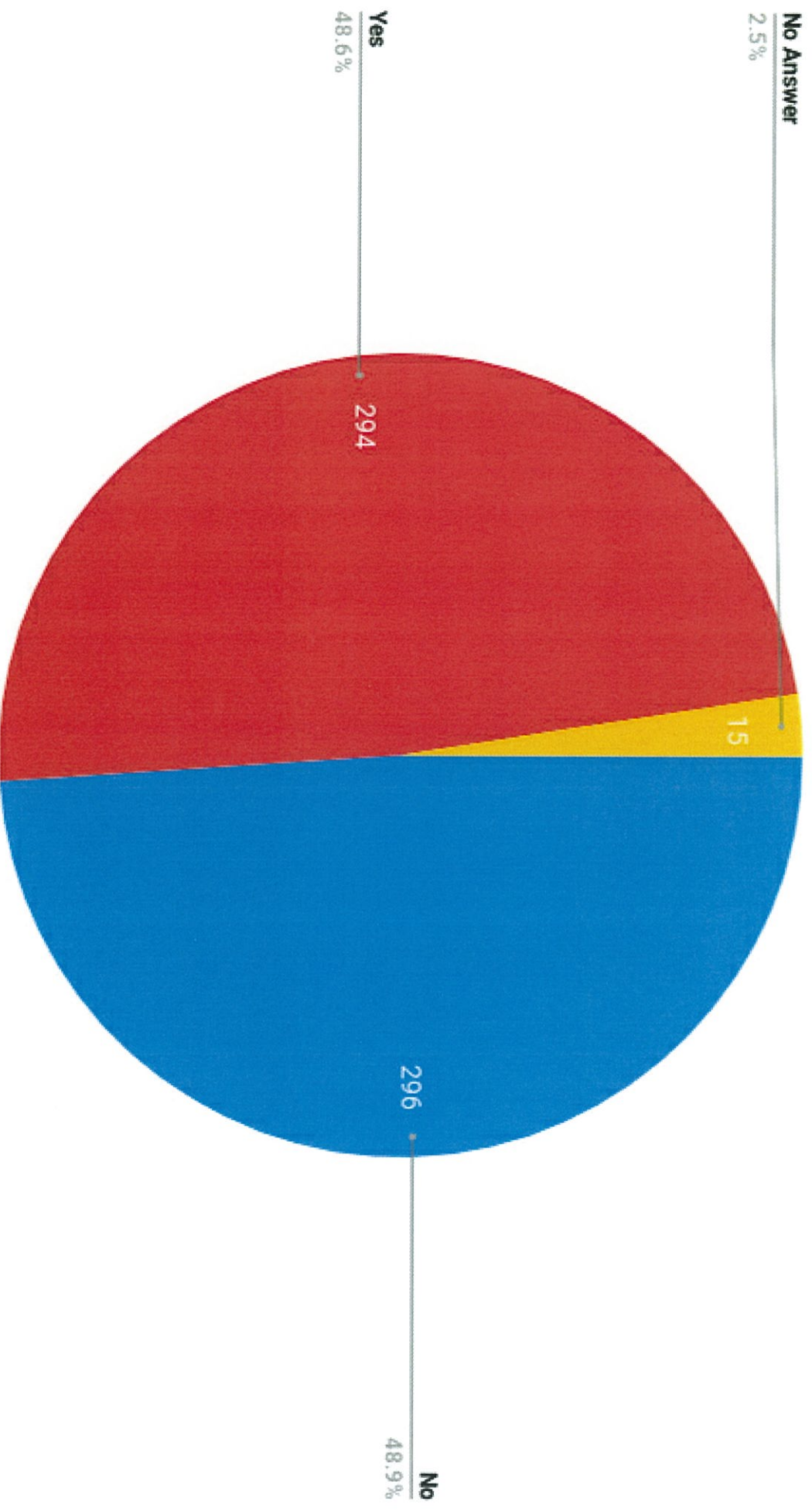
Where do you live?



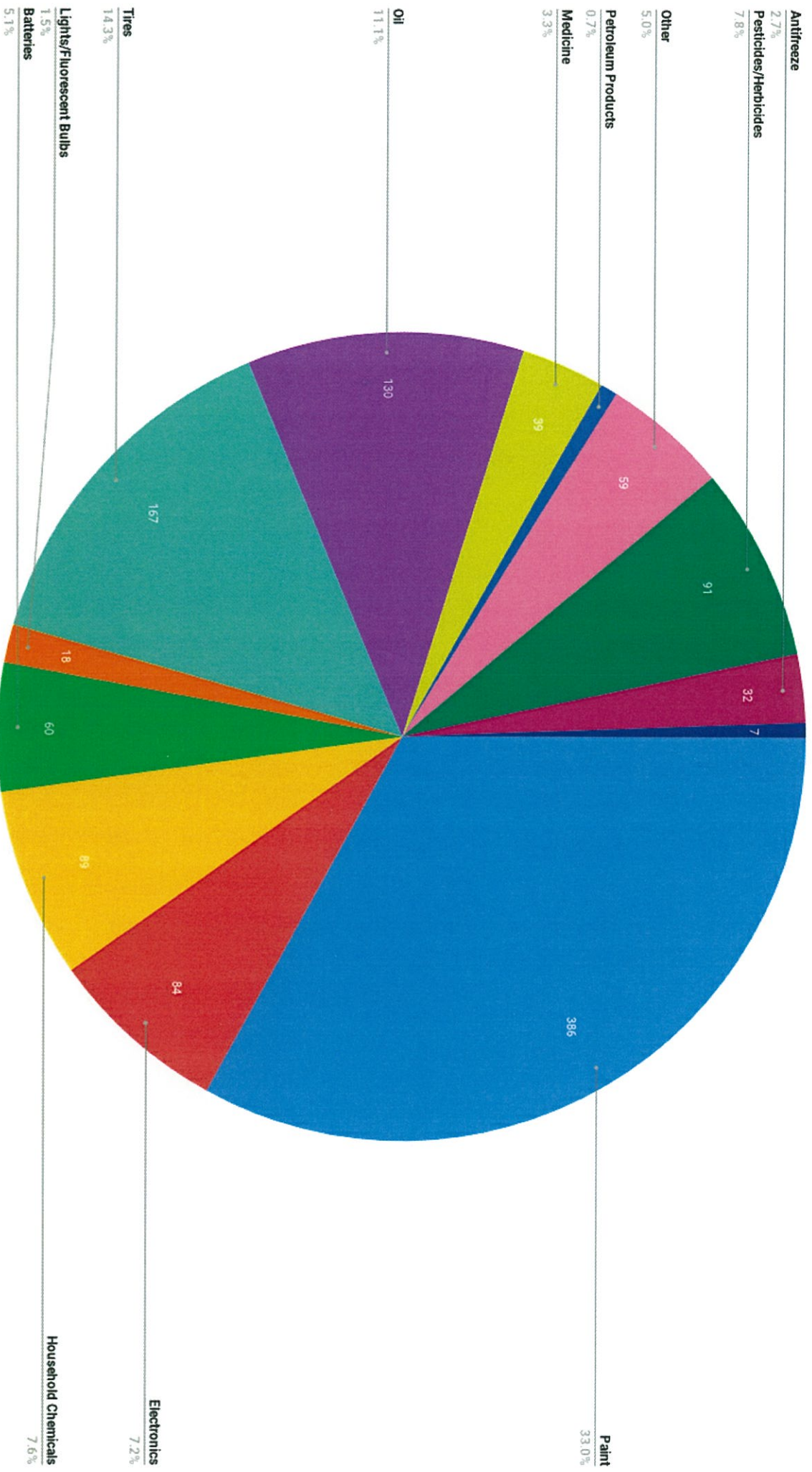
How did you hear about this event?



Have you participated in one before?



What items are you dropping off?



Item #8: FY19 HHW Applicant Presentations



**Solid Waste Advisory Committee
November 15, 2018
Agenda Item #8**

Household Hazardous Waste Event - Applicant Presentations

The Central Texas Council of Governments issued a Call for Applications for FY2019 HHW Events from early June to October 31, 2018. CTCOG received five applications from the cities of Copperas Cove, Gatesville, Hamilton, Killeen, and Temple.

Representatives from each city are now given the opportunity to give a presentation of their event to the committee, if they choose to do so.

Discussion Item: HHW Applicant Presentations.

**Item #9: Scoring and Selection
of Funding Allocation for
FY2019 HHW Events**



**Solid Waste Advisory Committee
November 15, 2018
Agenda Item #9**

Scoring and Selection of FY2019 HHW Events and Funding Allocations

The Central Texas Council of Governments received five applications for FY19 Household Hazardous Waste Events. The funding amount for HHW Events in FY19 is \$60,000.

At this time, staff would like the committee members to review and score each application to determine which entities will host FY19 HHW events and allocate funds to those chosen events.

Action Item: Select FY19 HHW Events and funding allocations.

HOUSEHOLD HAZARDOUS WASTE EVENT
Application for FY 2019
From the City of Gatesville

Applications are due to CTCOG by 5 P.M. on October 31, 2018. You may send them via email to sydnee.steelman@ctcog.org, via fax to (254) 770-2360, or mail a hard copy to:

Central Texas Council of Governments
Attn: Sydnee Steelman, Solid Waste Coordinator
P.O. Box 729
Belton, Texas 76513

CTCOG is located at **2180 North Main Street in Belton, Texas**. For directions, please call **(254) 770-2200**. Applicants should attend the **November 2018** meeting of the **Central Texas Council of Governments Solid Waste Advisory Committee**, in order to present a tentative plan for the event, explain why their location should be selected, and to answer questions from the committee. The meeting will be at 9:30 and be held at the CTCOG offices. The Solid Waste Committee will select the event locations based on the cases presented and funding levels.

Please fill out the questions below to explain why your entity should host a HHW event. Additional space for questions can be found on page 5 of this application and attach any support documentation that is appropriate.

1. Has your City/County ever held a Household Hazardous Waste Event?

XYes ☐ No

- If so, when? (MM/YYYY)

03/2018

- If known, how many people attended?

441

2. If selected to host an event, how many people do you anticipate will attend?

Please provide an explanation on how you got your answer.

450. The number of participants for HHW events hosted by Gatesville have grown steadily over the last 3 years. We had 333 participants in 2016, growing to 342 in 2017, followed by 441 in 2018. Residents in our region (particularly Coryell and Hamilton Counties) have started to anticipate these events.

3. List 3 dates between **January 1, 2019 and August 31, 2019** when the event might take place, keeping in mind that a **minimum** 45 day advance notice to TCEQ is required.

a. March 16, 2019 b. March 9, 2016 c. February 23, 2019

4. Please give the physical address of the event and describe the facility (how big it is, how much land surrounds it, how accessible to main highways, etc.) where the event would be held.

We will conduct the event at the Gatesville Civic Center/Sports Complex, located at 301 Veterans Memorial Loop. It is located on U.S. Highway 84, ¼ mile north of the SH 36 and US 84 intersection. It is a wholly-owned City facility on 16.7 acres with over 1000 linear feet of asphalt surface. Restrooms are available on site. A schematic of the 2018 HHW event layout is included as a separate attachment. This layout has proven to be very efficient.

5. Each county/city provides the site and volunteers necessary to operate the event. In addition, please indicate the amount of funding that your city or county is willing to contribute towards the cost of the event. CTCOG will also contribute towards the cost of the event. (Example, dollar amounts for advertising, tire collection, electronics recycling, etc)

The City Council has approved \$15,000 in City funding for this event during the FY 2019 budget preparation process. I will ask the Coryell County Commissioners Court to provide some level of County funding. Our historic City costs for the past three events:

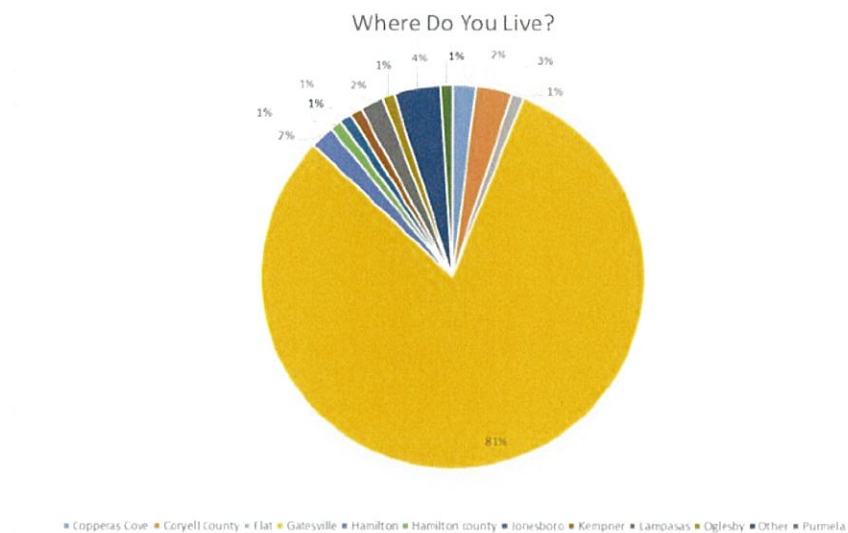
- Advertising: \$655
 - Dumpster Expenses (for the City-wide clean up the same day as well as paint can disposal): \$4,500
 - Tire Recycling (one of the most subscribed activities): \$5,000 (we have used Reliable Tire Recyclers for the past 3 events, and their prices increased for FY 2019.)
 - We minimize the cost of recycling used oil by utilizing our collection facilities located at our utility building.
 - Our volunteer pool will be drawn mostly from Keep Gatesville Beautiful and our Adopted Division West units at North Fort Hood.
 - We also ask Goodwill of Central Texas to participate for residents wanting to get rid of gently-used household items.
-

6. Please elaborate on specific reasons why the collection event should be held in your city/county.

The past three HHW events held in Gatesville (2016, 2017, and 2018) have seen increasing participation from communities and counties closer to Coryell County – validating that these individuals may not travel to a HHW event in Bell County.

Participation statistics from our 2018 HHW event are as follows:

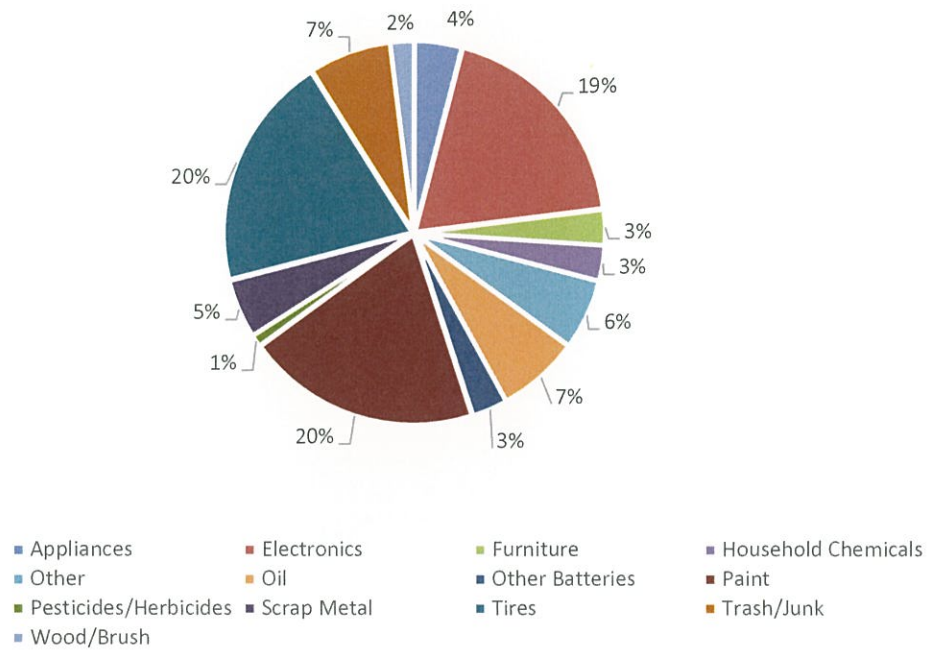
441 people attended the Gatesville HHW event. 81% of attendees live in Gatesville, followed by Other (4%), Coryell County (3%), Copperas Cove (2%), Hamilton, (2%), Lampasas (2%), Flat (1%), Hamilton County (1%), Jonesboro (1%), Kempner (1%), Oglesby (1%), and Purnela (1%).



Our HHW event is traditionally conducted at the same time as our City-wide clean up, and have been important factors in removing public nuisances such as tires, appliances, etc. improving the overall appearance of the City and our surrounding areas. Our clean up/HHW was instrumental in a grassroots effort to establish Keep Gatesville Beautiful. Due to our rural location coupled with dual highway access we attract residents from many counties besides Coryell. Doing a City-wide clean up in conjunction with our HHW event allows numerous organizations to volunteer to assist, namely several churches, scouting organizations, etc. Utilizing volunteer crews to go into the community permits senior and disabled citizens an opportunity to dispose of household hazardous waste in an appropriate manner.

Additional Space for Answers: The types of items that were most routinely disposed of during our 2018 HHW event are shown in the following chart:

What items are you dropping off today?



Paint (20%) and tires (20%) were the most dropped off items at the Gatesville HHW event followed by electronics (19%), oil (7%), trash/junk (7%), other (6%), scrap metal (5%), appliances (4%), furniture (3%), household chemicals (3%), other batteries (3%), wood/brush (2%), pesticides/herbicides (1%).

Information from past events:

- Past CTCOG contribution towards cost: \$20,000 - \$25,000
- Past turnout for urban area (Killeen or Temple): 300-400+ cars
- Past turnout for rural area (Hamilton or Gatesville): 120-300+ cars
- Past cost for urban events: \$30,000 - \$50,000+
- Past cost for rural events: \$20,000 - \$50,000+
- Cost for tire trailer provided by contractor: \$1900 (approximate)
- Cost for electronics vendor on site - Depends on vendor / contract
- Newspaper advertising – depends on local paper classified ad rates. Ads are most effective in the community where the event takes place, less so with increasing distance. (In other words, an ad in the San Saba paper is unlikely to result in anyone from San Saba attending an event in Cameron). Check with your local paper for cost of ads based on size, graphics and color.

Most effective advertising: local newspaper, water bill inserts, church announcements, community billboards.

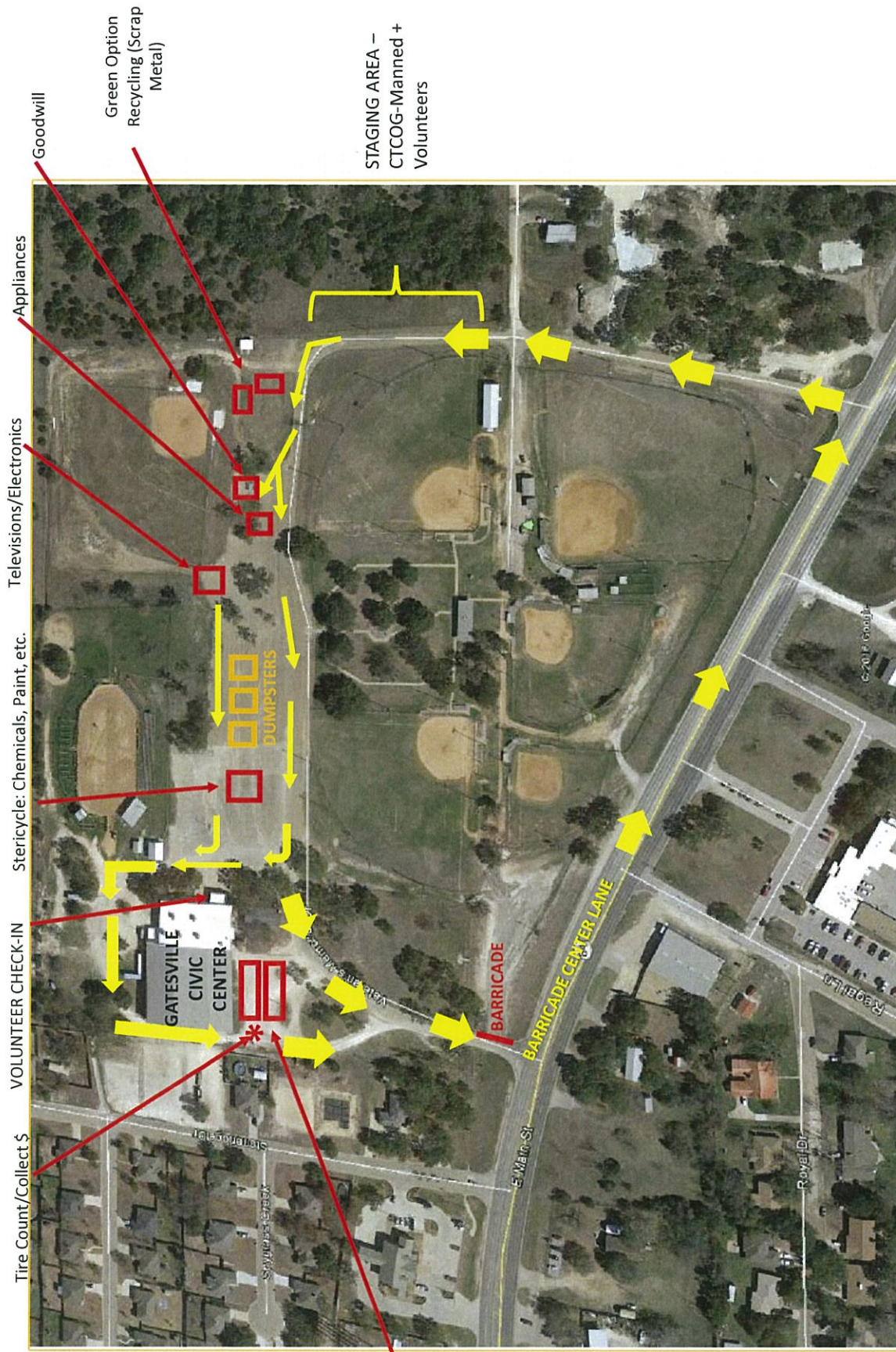
Lessons learned:

- One-way traffic works best – having people enter and exit through a single-entry point can cause traffic jams, confusion to the drivers, and may increase the risk of a car striking a pedestrian
- Combined events (HHW in conjunction with a city-wide clean-up) may increase confusion to the public regarding acceptable items for disposal, times, or locations. Staff or volunteers will have to identify the visitor's purpose and direct them to the correct location. It may require traffic to cross paths or have to merge back in line and can make data collection difficult if people are being counted that aren't bringing hazardous waste. However, it can work given the appropriate location. If you are considering this, please contact your solid waste coordinator for more information.
- Maximize the use of volunteers to help direct traffic, take surveys, hand out promotional items, unload tires, etc. The quicker a car can be received, surveyed, unloaded and moved out, the happier your residents are going to be. Traffic won't back up, tempers won't flare, and you just have a better flow of cars through the site.
- Brief the volunteers and paid employees well before the scheduled opening time. That helps everyone understand how cars will be directed to flow through the site, and what

their part will be. Also, you can brief them on the safety hazards involved with moving vehicles, hazardous chemicals, heat exhaustion, etc.

- Expect people to begin arriving at the event at least one hour prior to the posted start time, especially in the rural areas.
- Volunteers or paid staff are a necessity.
- Please provide access to bathrooms.
- If your entity is selected, please reserve the event location a few days in advance as so that contractors can set up their stations before the event date.

**GATESVILLE
HHW DAY
SITE LAYOUT
March 10,
2018**



Reliable Tire
Disposal Trailers

Lisa A. Sebek
Solid Waste Services Director
Department of Public Works
lsebek@templetx.gov



November 3, 2017

Central Texas Council of Governments
ATTN: Jason Deckman, Solid Waste Coordinator
P. O. Box 729
Belton, Texas 76513

RE: Application for FY 2018 Household Hazardous Waste Event

Dear Mr. Deckman:

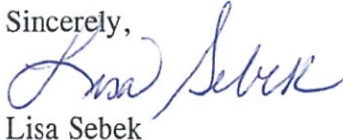
Please find attached the City of Temple's application for FY 2018 and FY 2019 funding. The City of Temple is requesting \$30,000 to supplement the annual household hazardous waste collection that will be held in FY18 and FY19 which falls within the funding years for the CTCOG.

In recent years, the City of Temple has partnered with their landfill contractor for an annual event. This event is held the second Saturday of each October. The landfill contract provides the major portion of the HHW disposal while the city coordinates with other vendors for tires, electronics and automotive wastes.

The landfill contractor is providing this for Temple residents as agreed in the lease agreement with the city. The city would like to keep the event open to our surrounding communities in our 7-county region. The funding of \$15,000 each year would enable the city to keep the event open to our surrounding communities without a large funding request from the CTCOG to cover an entire event.

The City of Temple is pleased to offer this service to our residents on an annual basis and believe it would be a benefit to our region for participation.

Thank you so much for your review and consideration of the City of Temple's funding request for \$15,000 for FY18 and \$15,000 for FY19. Please do not hesitate to contact me if there are questions.

Sincerely,

Lisa Sebek

Attachments

HOUSEHOLD HAZARDOUS WASTE EVENT Application for FY 2018

Applications are due to CTCOG by 5 P.M. on November 6, 2017. You may send them via email to jason.deckman@ctcog.org, via fax to (254) 770-2360, or mail a hard copy to:

Central Texas Council of Governments
Attn: Jason Deckman, Solid Waste Coordinator
P.O. Box 729
Belton, Texas 76513

CTCOG is located at 2180 North Main Street in Belton, Texas. For directions, please call (254) 770-2200. Applicants should attend the November 8, 2017 meeting of the Central Texas Council of Governments Solid Waste Advisory Committee, in order to present a tentative plan for the event, explain why their location should be selected, and to answer questions from the committee. The meeting will be at 9:30 and be held at the CTCOG offices. The Solid Waste Committee will select the event locations based on the cases presented and funding levels.

1. Has your City/County ever held a Household Hazardous Waste Event?

☒ Yes ☐ No

- If so, when? (MM/YYYY) Please see attached sheet of HHW events.
- If known, how many people attended? 502 on 10/14/2017

2. If selected to host an event, how many people do you anticipate will attend? Based on what criteria?

400 to 500 - based on history on previous events also
listed on attached sheet

3. List 3 dates between January 1, 2018 and August 31, 2018 when the event might take place, keeping in mind that a minimum 45 day advance notice to TCEQ is required.

a. * See Note b. _____ c. _____

** Note: City of Temple
hosts event annually the
second Saturday of October.
Funding is for outside
city limits customers
participation.*

4. Please give the physical address of the event and describe the facility (how big it is, how much land surrounds it, how accessible to main highways, etc.) where the event would be held.

3210 E. Ave H - Temple Service Center for Public Works - several acre
site - houses 200 Public Works employees - 3 main buildings to
include storage facilities - HOT zone would be located under
awnings - See attached layout

5. Each county/city provides the site and volunteers necessary to operate the event. In addition, please indicate the amount of funding that your city or county is willing to contribute towards the cost of the event. CTCOG will also contribute towards the cost of the event.

Funding contribution:

City of Temple funding is available at 70% to 80%. We also provide for tires, electronics, used oil and oil filters, automotive batteries, antifreeze, medicine takeback, Temple Daily Telegram advertising, website and local government access channel advertising.

The funding request in this application will be used to offset the citizens utilizing this event that live outside the city limits of Temple. We would like to have the event open to our surrounding communities.

(Example, dollar amounts for advertising, tire collection, electronics recycling, etc)

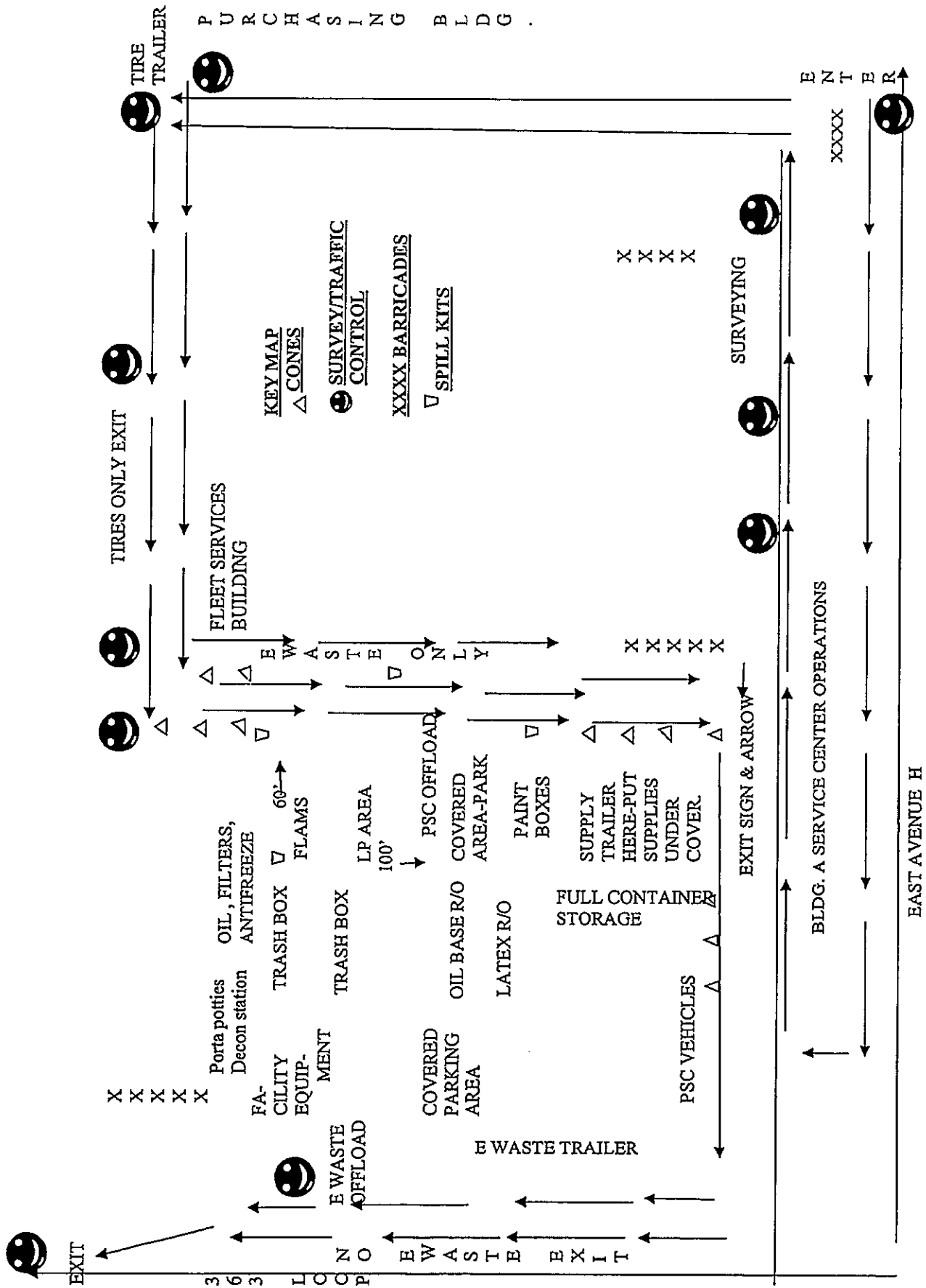
6. Please elaborate on specific reasons why the collection event should be held in your city/county. Attach additional pages as needed.

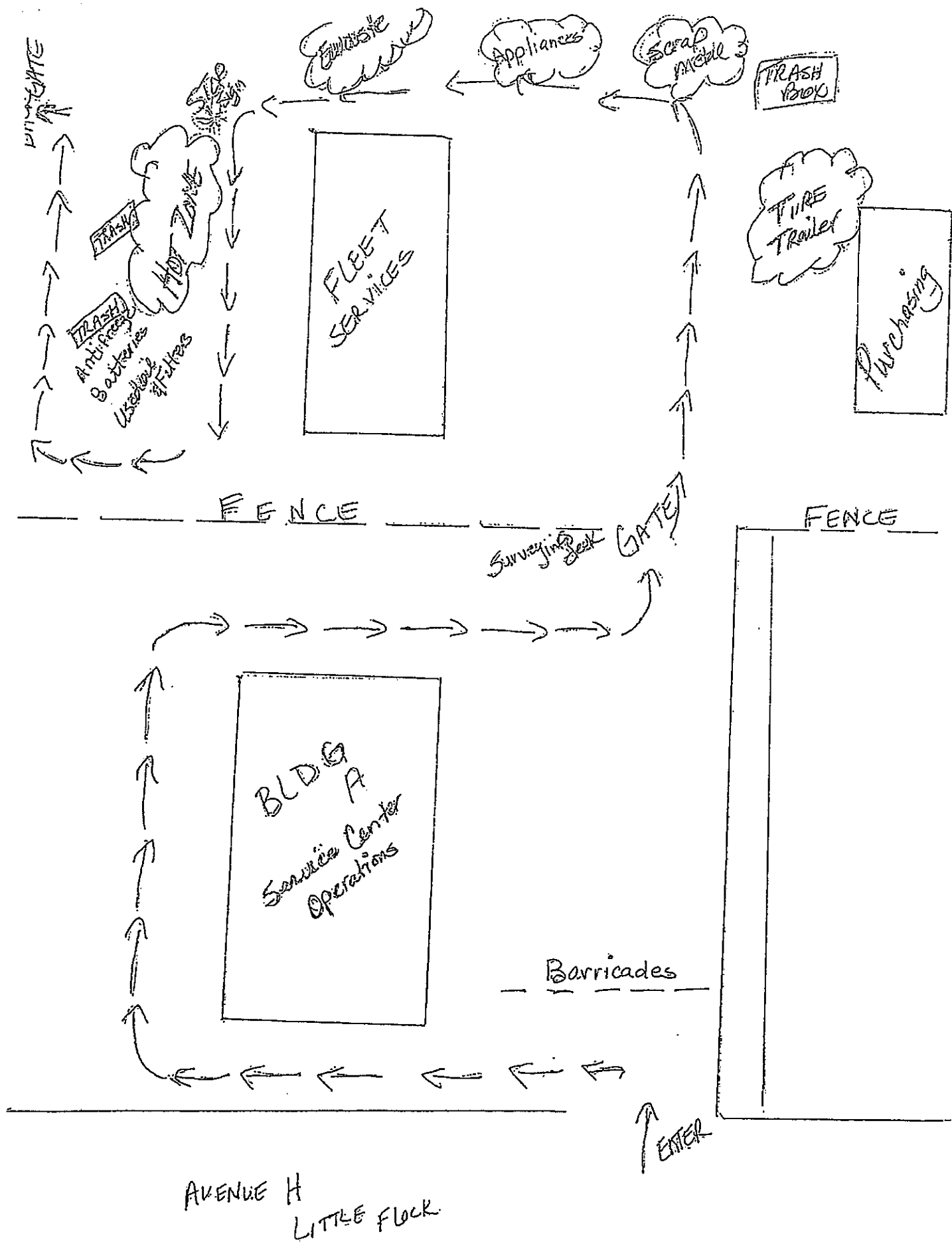
Temple partners with their landfill contract provider for an annual HHW event. The contract covers the event for Temple residents. Temple would like to keep the event open to our 7 county region. Recently, the participation from outside the Temple city limits is generally 30% - 35%. Temple owns the only landfill in our 7 county region with the exception of Fort Hood so it seems an event in Temple would be a good investment of the landfill dollars with a supplement from CTCOG-SWAC for the surrounding communities.

HOUSEHOLD HAZARDOUS WASTE EVENTS

Date	# of Participants	Cost	# of Tires	Cost	Electronics	HHW Pounds	TEMPLE Iron & Metal			
							Oil	Oil Filters	Batteries	Antifreeze
June 7, 2003	401	\$28,649.15	2400	\$1,500.00	No	35,999				
September 11, 2004	425	\$31,763.45	1200	\$1,500.00	4,632#	36,154				
June 25, 2005	434	\$59,560.40	1400	\$1,500.00	5,000#	49,731				
April 1, 2006	448	\$39,937.35	2,200	\$1,700.00	5,000#	29,743				
October 27, 2007	282	\$29,746.85	2,400	\$1,700.00	City*	25,999				
September 11, 2010	511	\$54,057.89	1,200	\$1,500.00	TI&M	51,340				
October 13, 2012	356	\$33,200.00	1,200	\$1,428.00	KTB	28,617				
October 12, 2013	360	\$35,177.48	1,200	\$1,500.00	KTB	44,813				
October 11, 2014	465	\$53,675.03	800	\$1,500.00	KTB	45,740				
October 3, 2015	356	\$51,499.88	1,880	\$1,500.00	Goodwill		414 gal.	~ 100	~ 2 tons	52 ga.
October 8, 2016	498	\$58,237.76	1,500	\$1,500.00	Goodwill		800-900 gal.	~ 80	~ 25	55 gal
October 14, 2017	502		1,900	\$1,500.00	Goodwill		650 gal	~ 85	~74	150 gal
							700 gal			110 gal
							1025 gal			300 gal

*City - did not weigh but had a 16ft. Trailer and back of pickup full.
 Temple Iron & Metal handled the electronic waste. No report has been made available from them.





HOUSEHOLD HAZARDOUS WASTE EVENT
Application for FY 2019
From the City of Killeen

Applications are due to CTCOG by 5 P.M. on October 31, 2018. You may send them via email to sydnee.steelman@ctcog.org, via fax to (254) 770-2360, or mail a hard copy to:

Central Texas Council of Governments
Attn: Sydnee Steelman, Solid Waste Coordinator
P.O. Box 729
Belton, Texas 76513

CTCOG is located at **2180 North Main Street in Belton, Texas**. For directions, please call **(254) 770-2200**. Applicants should attend the **November 2018** meeting of the **Central Texas Council of Governments Solid Waste Advisory Committee**, in order to present a tentative plan for the event, explain why their location should be selected, and to answer questions from the committee. The meeting will be at 9:30 and be held at the CTCOG offices. The Solid Waste Committee will select the event locations based on the cases presented and funding levels.

Please fill out the questions below to explain why your entity should host a HHW event. Additional space for questions can be found on page 5 of this application and attach any support documentation that is appropriate.

1. Has your City/County ever held a Household Hazardous Waste Event?
xYes ☐ No

• If so, when? (MM/YYYY)
022014, 092014, 022015, 052016, 062017, 022018, 062018

• If known, how many people attended?
Varied, up to 700. Generally 350-400

2. If selected to host an event, how many people do you anticipate will attend?
Please provide an explanation on how you got your answer.

Three to four hundred based on previous attendance and time between events.

3. List 3 dates between **January 1, 2019 and August 31, 2019** when the event might take place, keeping in mind that a **minimum** 45 day advance notice to TCEQ is required.

a. February 9th b. February 23rd
c. June 29th

4. Please give the physical address of the event and describe the facility (how big it is, how much land surrounds it, how accessible to main highways, etc.) where the event would be held.

The collection event would be held in the parking lot of the Killeen Special Events Center at
3601 So. W.S Young Drive, Killeen. This large parking lot can accommodate the contractor site
as well as has significant space for a vehicle queuing area to get patrons off the main road.
It is less than one half mile south from Hwy 190 on a major thoroughfare, W.S. Young Drive.

5. Each county/city provides the site and volunteers necessary to operate the event. In addition, please indicate the amount of funding that your city or county is willing to contribute towards the cost of the event. CTCOG will also contribute towards the cost of the event. (Example, dollar amounts for advertising, tire collection, electronics recycling, etc.)

\$12,000 towards the cost of the contractor, \$1200 for advertising, Tire recycling (fee based)
and \$500 for electronics recycling

6. Please elaborate on specific reasons why the collection event should be held in your city/county.

a. The City of Killeen (CoK) along with the adjacent City of Harker Heights, and nearby Copperas Cove and Nolanville make up the largest population concentration in the Central Texas Council of Governments (CTCOG) area, approximately 180,000 residents. The Killeen site is only a 15 minute drive from Nolanville and Copperas Cove. Belton, Ding Dong, Kempner, Salado, Temple, Youngsport, and several other smaller towns in Bell and Coryell Counties are within a half hour drive.

b. The City of Killeen would like to hold two events in FY 2019, one in February and one in June. CTCOG funding of the February event will provide greater water quality protection opportunities to the residents in the watersheds of Clear Creek and Nolan Creek, and the Lampasas and Leon Rivers.

c. The City of Killeen is able to help reduce the cost of an event by taking possession of several materials which would otherwise be an expense to the CTCOG, such as automotive oil, antifreeze, lead acid and other batteries including rechargeable batteries, alkaline batteries, propane cylinders and various electronics. We also anticipate being able to provide staff to receive and bulk automotive fluids and volunteers to bulk paint, which will reduce costs.

d. The City of Killeen will provide additional newspaper advertising for the event in the Killeen Daily Herald, at least two advertisements of ¼ page minimum, each. The City also uses other media, including an electronic billboard, City cable channel, City Facebook, and City Website, to spread the word on the event.

e. The City of Killeen will contribute \$12,000 to help fund the contractor cost of the event.

Information from past events:

- Past CTCOG contribution towards cost: \$20,000 - \$25,000
- Past turnout for urban area (Killeen or Temple): 300-400+ cars
- Past turnout for rural area (Hamilton or Gatesville): 120-300+ cars
- Past cost for urban events: \$30,000 - \$50,000+
- Past cost for rural events: \$20,000 - \$50,000+
- Cost for tire trailer provided by contractor: \$1900 (approximate)
- Cost for electronics vendor on site - Depends on vendor / contract
- Newspaper advertising – depends on local paper classified ad rates. Ads are most effective in the community where the event takes place, less so with increasing distance. (In other words, an ad in the San Saba paper is unlikely to result in anyone from San Saba attending an event in Cameron). Check with your local paper for cost of ads based on size, graphics and color.

Most effective advertising: local newspaper, water bill inserts, church announcements, community billboards.

Lessons learned:

- One-way traffic works best – having people enter and exit through a single-entry point can cause traffic jams, confusion to the drivers, and may increase the risk of a car striking a pedestrian
- Combined events (HHW in conjunction with a city-wide clean-up) may increase confusion to the public regarding acceptable items for disposal, times, or locations. Staff or volunteers will have to identify the visitor's purpose and direct them to the correct location. It may require traffic to cross paths or have to merge back in line and can make data collection difficult if people are being counted that aren't bringing hazardous waste. However, it can work given the appropriate location. If you are considering this, please contact your solid waste coordinator for more information.
- Maximize the use of volunteers to help direct traffic, take surveys, hand out promotional items, unload tires, etc. The quicker a car can be received, surveyed, unloaded and moved out, the happier your residents are going to be. Traffic won't back up, tempers won't flare, and you just have a better flow of cars through the site.
- Brief the volunteers and paid employees well before the scheduled opening time. That helps everyone understand how cars will be directed to flow through the site, and what

their part will be. Also, you can brief them on the safety hazards involved with moving vehicles, hazardous chemicals, heat exhaustion, etc.

- Expect people to begin arriving at the event at least one hour prior to the posted start time, especially in the rural areas.
- Volunteers or paid staff are a necessity.
- Please provide access to bathrooms.
- If your entity is selected, please reserve the event location a few days in advance as so that contractors can set up their stations before the event date.

HOUSEHOLD HAZARDOUS WASTE EVENT

Application for FY 2019

From the City of Hamilton

Applications are due to CTCOG by 5 P.M. on October 31, 2018. You may send them via email to sydnee.steelman@ctcog.org, via fax to (254) 770-2360, or mail a hard copy to:

Central Texas Council of Governments
Attn: Sydnee Steelman, Solid Waste Coordinator
P.O. Box 729
Belton, Texas 76513

CTCOG is located at **2180 North Main Street in Belton, Texas**. For directions, please call **(254) 770-2200**. Applicants should attend the **November 2018** meeting of the **Central Texas Council of Governments Solid Waste Advisory Committee**, in order to present a tentative plan for the event, explain why their location should be selected, and to answer questions from the committee. The meeting will be at 9:30 and be held at the CTCOG offices. The Solid Waste Committee will select the event locations based on the cases presented and funding levels.

Please fill out the questions below to explain why your entity should host a HHW event. Additional space for questions can be found on page 5 of this application and attach any support documentation that is appropriate.

1. Has your City/County ever held a Household Hazardous Waste Event?

☒ Yes ☐ No

- If so, when? (MM/YYYY)

April 2011 and May 2016

- If known, how many people attended?

198 loads in 2011 and 145 loads in 2016

2. If selected to host an event, how many people do you anticipate will attend?

Please provide an explanation on how you got your answer.

171 vehicles are anticipated to attend, I averaged the number from the
2011 and 2016 events.

3. List 3 dates between **January 1, 2019** and **August 31, 2019** when the event might take place, keeping in mind that a **minimum 45 day** advance notice to TCEQ is required.

a. April 13, 2019 b. March 23, 2019

c. February 23, 2019

4. Please give the physical address of the event and describe the facility (how big it is, how much land surrounds it, how accessible to main highways, etc.) where the event would be held.

The Physical address is 1099 State Highway 22. The facility has two maintenance barns and an area where citizens drop-off bulk trash. This location is one of our maintenance facilities and it is located on highway 22, one-mile East of Hamilton. The facility is approximately 2 acres in total area.

5. Each county/city provides the site and volunteers necessary to operate the event. In addition, please indicate the amount of funding that your city or county is willing to contribute towards the cost of the event. CTCOG will also contribute towards the cost of the event. (Example, dollar amounts for advertising, tire collection, electronics recycling, etc)

In addition to staff for the facility, the City of Hamilton is willing to contribute \$3000.00 towards the cost of the event.

6. Please elaborate on specific reasons why the collection event should be held in your city/county.

In 2019 it will have been 3 years since our last hazardous waste event. The event is greatly needed in Hamilton County. The numerous remodeling projects in the community have resulted in many citizens calling city hall to inquire about properly disposing of hazardous waste. Many citizens need to dispose of items such as old cars batteries, tires, paint and various chemicals that our current trash service will not remove. Our concern is that these items will end up being disposed of in an unsafe and improper manner.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Information from past events:

- Past CTCOG contribution towards cost: \$20,000 - \$25,000
- Past turnout for urban area (Killeen or Temple): 300-400+ cars
- Past turnout for rural area (Hamilton or Gatesville): 120-300+ cars
- Past cost for urban events: \$30,000 - \$50,000+
- Past cost for rural events: \$20,000 - \$50,000+
- Cost for tire trailer provided by contractor: \$1900 (approximate)
- Cost for electronics vendor on site - Depends on vendor / contract
- Newspaper advertising – depends on local paper classified ad rates. Ads are most effective in the community where the event takes place, less so with increasing distance. (In other words, an ad in the San Saba paper is unlikely to result in anyone from San Saba attending an event in Cameron). Check with your local paper for cost of ads based on size, graphics and color.

Most effective advertising: local newspaper, water bill inserts, church announcements, community billboards.

Lessons learned:

- One-way traffic works best – having people enter and exit through a single-entry point can cause traffic jams, confusion to the drivers, and may increase the risk of a car striking a pedestrian
- Combined events (HHW in conjunction with a city-wide clean-up) may increase confusion to the public regarding acceptable items for disposal, times, or locations. Staff or volunteers will have to identify the visitor's purpose and direct them to the correct location. It may require traffic to cross paths or have to merge back in line and can make data collection difficult if people are being counted that aren't bringing hazardous waste. However, it can work given the appropriate location. If you are considering this, please contact your solid waste coordinator for more information.
- Maximize the use of volunteers to help direct traffic, take surveys, hand out promotional items, unload tires, etc. The quicker a car can be received, surveyed, unloaded and moved out, the happier your residents are going to be. Traffic won't back up, tempers won't flare, and you just have a better flow of cars through the site.
- Brief the volunteers and paid employees well before the scheduled opening time. That helps everyone understand how cars will be directed to flow through the site, and what

their part will be. Also, you can brief them on the safety hazards involved with moving vehicles, hazardous chemicals, heat exhaustion, etc.

- Expect people to begin arriving at the event at least one hour prior to the posted start time, especially in the rural areas.
- Volunteers or paid staff are a necessity.
- Please provide access to bathrooms.
- If your entity is selected, please reserve the event location a few days in advance as so that contractors can set up their stations before the event date.

HOUSEHOLD HAZARDOUS WASTE EVENT

Application for FY 2019

From the City of Copperas Cove

Applications are due to CTCOG by 5 P.M. on October 31, 2018. You may send them via email to sydnee.steelman@ctcog.org, via fax to (254) 770-2360, or mail a hard copy to:

Central Texas Council of Governments
Attn: Sydnee Steelman, Solid Waste Coordinator
P.O. Box 729
Belton, Texas 76513

CTCOG is located at **2180 North Main Street in Belton, Texas**. For directions, please call **(254) 770-2200**. Applicants should attend the **November 2018** meeting of the **Central Texas Council of Governments Solid Waste Advisory Committee**, in order to present a tentative plan for the event, explain why their location should be selected, and to answer questions from the committee. The meeting will be at 9:30 and be held at the CTCOG offices. The Solid Waste Committee will select the event locations based on the cases presented and funding levels.

Please fill out the questions below to explain why your entity should host a HHW event. Additional space for questions can be found on page 5 of this application and attach any support documentation that is appropriate.

1. Has your City/County ever held a Household Hazardous Waste Event?

☒ Yes ☐ No

- If so, when? (MM/YYYY)

February 18, 2017

- If known, how many people attended?

300

2. If selected to host an event, how many people do you anticipate will attend?

Please provide an explanation on how you got your answer.

Around 300 participants. This is the average number of people to attend our HHW event in years past. And I am confident we will have around 300 again if selected.

3. List 3 dates between **January 1, 2019 and August 31, 2019** when the event might take place, keeping in mind that a **minimum** 45 day advance notice to TCEQ is required.

a. February 23rd 2019 b. May 25th 2019
c. June 22nd 2019

4. Please give the physical address of the event and describe the facility (how big it is, how much land surrounds it, how accessible to main highways, etc.) where the event would be held.

The HHW event will be held at the City of Copperas Cove Transfer Station, located
at 2605 S. FM 116 Copperas Cove TX, 76522. The facility sits on 4 acres of property.
There is one way in and out of the facility, and the traffic flows in a counter clockwise
direction. the Transfer station has a large parking lot, about 1 acre where the HHW
event workers will be set up. In years past this has worked extremely well for getting
customers in and out in a safe, and efficient manner. The site is located about 100yds
from the interstate 14 bypass.

5. Each county/city provides the site and volunteers necessary to operate the event. In addition, please indicate the amount of funding that your city or county is willing to contribute towards the cost of the event. CTCOG will also contribute towards the cost of the event. (Example, dollar amounts for advertising, tire collection, electronics recycling, etc)

The event will be held in Coryell county. The event will be manned with The City of
Copperas Cove Solid Waste Employees. The city will contribute \$20,000.00
For the event. The city will advertise on the city's face book page. as well as other means
of social media. The Solid Waste Dept. will send out and distribute event flyers in the COG
area. The City will not take electronics due to the difficulty of finding a vendor. The city
will use reliable tire disposal, and ask the HHW vendor to mix the paint so that it
may be reused.

6. Please elaborate on specific reasons why the collection event should be held in your city/county.

The City of Copperas Cove has a large rural area surrounding the town. There are a lot of farmers with hazardous materials, tires, paint, etc. in the surrounding area. Keep Copperas Cove Beautiful hosts several waterway cleanups a year to help with illegal dumping in the creeks and ponds in our town. On a daily basis the Solid Waste dept. collects illegally dumped tires, buckets of paint, dropped off at dead end streets. I believe holding an HHW event at the City of Copperas Cove will help the rural community surrounding our town, and help minimize illegal dumping in our community.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Information from past events:

- Past CTCOG contribution towards cost: \$20,000 - \$25,000
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Most effective advertising: local newspaper, water bill inserts, church announcements, community billboards.

Lessons learned:

- One way traffic works best – having people enter and exit through a single entry point can cause traffic jams, confusion to the drivers, and may increase the risk of a car striking a pedestrian
- Combined events (HHW in conjunction with a city-wide clean-up) may increase confusion to the public regarding acceptable items for disposal, times, or locations. Staff or volunteers will have to identify the visitor's purpose and direct them to the correct location. It may require traffic to cross paths or have to merge back in line, and can make data collection difficult if people are being counted that aren't bringing hazardous waste. However, it can work given the appropriate location. If you are considering this, please contact your solid waste coordinator for more information.
- Maximize the use of volunteers to help direct traffic, take surveys, hand out promotional items, unload tires, etc. The quicker a car can be received, surveyed, unloaded and moved out, the happier your residents are going to be. Traffic won't back up, tempers won't flare, and you just have a better flow of cars through the site.
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their part will be. Also, you can brief them on the safety hazards involved with moving vehicles, hazardous chemicals, heat exhaustion, etc.

- Expect people to begin arriving at the event at least one hour prior to the posted start time, especially in the rural areas.
- Volunteers or paid staff are a necessity.
- Please provide access to bathrooms.
- If your entity is selected, please reserve the event location a few days in advance as so that contractors can set up their stations before the event date.

SWAC Member List

SWAC Members FY 2018-19

Duane Herrera	254-933-5275	duane.herrera@co.bell.tx.us	Bell County
Daren Moore	254-223-1001	dmcoryellcounty@gmail.com	Coryell County
Johnny Wagner	254-386-8542	jwagner@hamiltoncountytexas.org	Hamilton County
Richard Watkins	254-593-3171	mcpct1@farm-market.net	Milam County
Stan Weik	325-372-5144	weiks@att.net	San Saba County
Vacant			Lampasas County
Vacant			Mills County
Bryan Neaves	254-933-5275	bryan.neaves@co.bell.tx.us	Bell County Alternate
Jeremy Allamon	254-933-5823	jallamon@beltontexas.gov	City of Belton
Noel Watson	254-547-4242	nwatson@copperascovetx.gov	City of Copperas Cove
Bill Parry	254-865-8951	william.parry@ci.gatesville.tx.us	City of Gatesville
Mark Hyde	254-953-5649	mhyde@ci.harker-heights.tx.us	City of Harker Heights
William Gould	254-554-7572	wgould@killeentexas.gov	City of Killeen
Lisa Sebek	254-298-5180	lsebek@templetx.gov	City of Temple
Paul Daugereau	512-272-6226	pdaugere@wm.com	Solid Waste Industry Representative
Zoe Rascoe	254-913-1013	trascoe@hotmail.com	Private Sector/Citizen Representative
John M. Trigg, PG	254-207-6827	john.trigg@wilsonart.com	Private Sector/Business Representative
Velia Key	254-547-4242	srhoads@copperascovetx.gov	Ex-Officio--City of Copperas Cove
Jeanie Harrison	254-372-4572	harrisonx2@hughes.net	Ex-Officio--Hamilton County Recycling
Scott Perry	254-434-1098	scotchperry@yahoo.com	Ex-Officio--City of Hico
David McGinnis	254-526-5541	smvacuumandwaste@hotmail.com	Ex-Officio--S&M Vacuum and Waste, LTD
Nicole Torralva	254-298-5621	ntorralva@ci.temple.tx.us	Ex-Officio--City of Temple
Dawn Orange	254-298-5722	dorange@templetx.gov	Ex-Officio--City of Temple
Tanya Gray	254-493-4000	tanya@keeptemplebeautiful.org	Ex-Officio--Keep Temple Beautiful
Trey Buzbee	254-761-3168	tbuzbee@brazos.org	Ex-Officio--Brazos River Authority
Ryan Polster	254-386-8116	citysecretary@ci.hamilton.tx.us	Ex-Officio--City of Hamilton
Jimmy Brown	469-951-9970	environmentalresourcesllc@gmail.com	Ex-Officio--Environmental Resources
Jeff Browning	254-743-0553	jbrowning07@gmail.com	Ex-Officio--City of Temple
Elvi Yzaguirre	512-239-6700	eyzaguir@tceq.texas.gov	Ex-Officio--TCEQ

