

Summit HHW Program History

All you wanted to know and more!

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Ohio EPA Workgroup

1-14-2021

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Summit Info

- We are an Authority
- Population: 542,511
- 31 Municipalities
 - Largest City: Akron
- Approx 419 sq miles
- Governed by 15-member Board of Trustees
- 5 Staff Members



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Programs and Services

- Residential Services
 - Household Hazardous Waste Recycling Center
 - Document Shredding and Recycling Events
 - Electronics Collection
 - Food Waste Collection and Reduction
 - Scrap Tire Collection
- Cities, Townships, Villages
 - Community Recycling Assistance Grant
 - Contract Guidance for Curbside Trash and Recycling Service Agreements
- Commercial/Industrial/Institutional Services
 - Waste and Materials Management Consultation
 - Recycling Collection Service through Commercial Single Stream Recycling Program
 - Sponsor for Ohio EPA Market Devel. Grants
- Outreach Education and Awareness
 - Webpage/Social Media, Newsletter, Presentations/Speakers
 - Resource Guide for Local Recycling Solutions
 - Countywide education residential recycling
 - Outreach and awareness on waste reduction
 - cREate Works: Awareness on practices of reduce, reuse, and recycle through art
 - Compost made from Food Waste-Give Away to Community Gardens

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Funding/Annual Budget

\$5/ton Generation Fee

Approx 470,000-490,000 tons/yr

- \$1.00/ton → Community Grant = est \$480,000/yr
- \$1.20/ton → Landfill Closure = est \$576,000/yr
- **\$2.80/ton → Gen. Op. Budget = est \$1,344,000/yr**
\$5.00/ton

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HHW Then and Now

Factors in Evolution of HHW Program

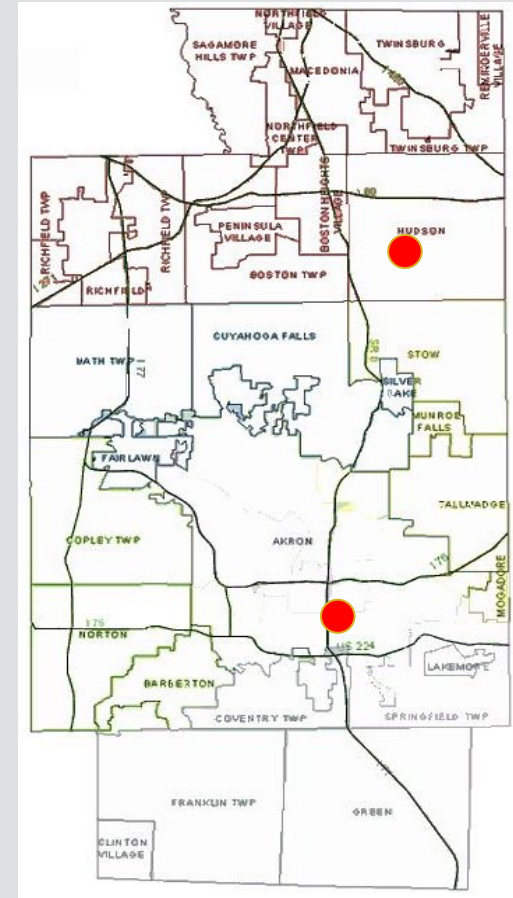
- Financial Justification/Sustainability
 - High-cost material w/ most environmental impact, but low tonnage credit
 - Percentage of General Operating Budget
- Operating Efficiencies
- Difficult to Manage Material
- Risk Assessment Consultant

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HHW Management- Then...

- Summit County's first ever HHW collection—October **1994**
- 2 Sites
- Strongly advertised
 - Flyers to school students
 - Radio & newspaper
- How did it go...you ask??



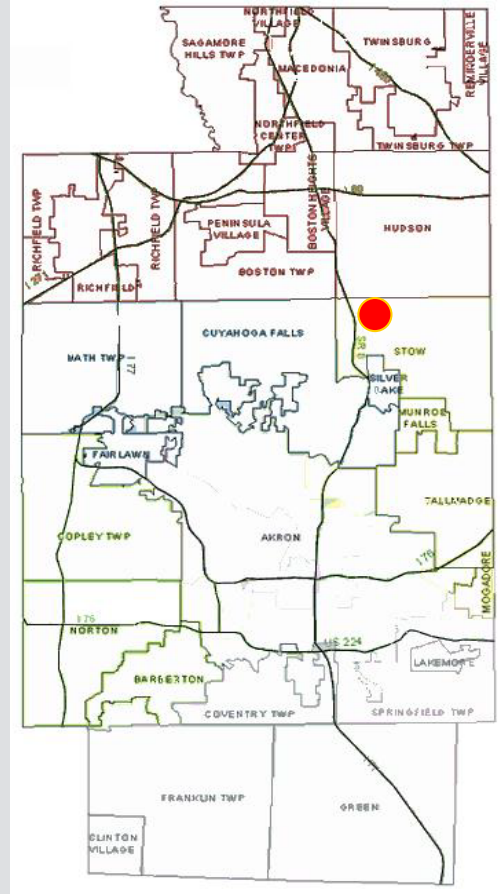
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HHW Management- Now...

- Board of Trustees decided to establish a permanent site for HHW and cease weekend events
- Opened April 30, 1996
- Ohio's first permanent HHW drop off
- Household Hazardous Waste Recycling Center (HHWRC)



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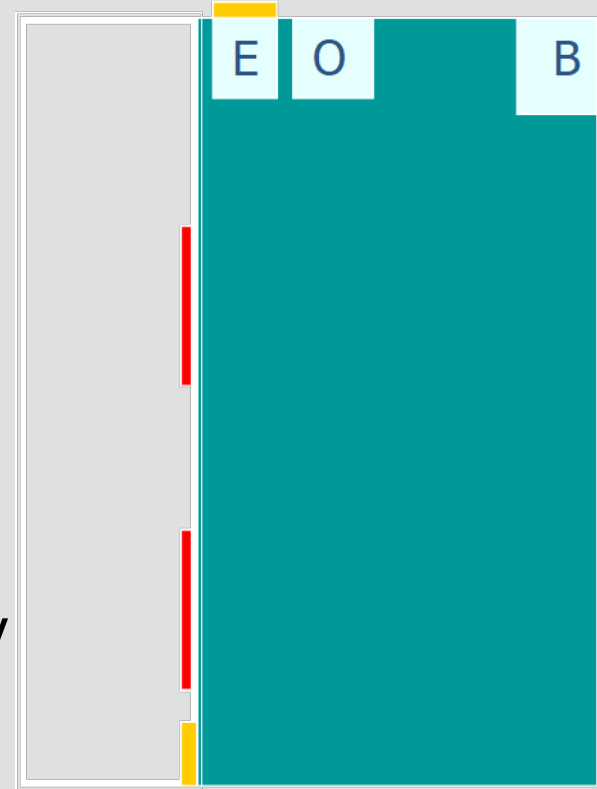


Building Layout

- 80' x 30' Pole Bldg (2,400 sq ft)
- 10' Overhang
- 4 loading doors

Safety Features

- Explosion proof lighting
- Vent hood
- 300 gallon trench drain containment
- Oil interceptor-24 cu ft holding capacity
- Electrical positive pressure room



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Comments on Operating HHW Collections at a Permanent Facility



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Operating Season- Days of Operation

- Intentionally **No** Saturdays
- Season Apr-Sep (variations)
 - Could not sustain yr-round cost
 - No heat in building
- 2 days/week (1996-2012)
 - Tues 1:00pm to 4:00pm (3 hrs)
 - Weds 6:30pm-9:30pm (3 hrs)
- 1 day/week (2013-YTD)
 - Thurs 2pm-7pm (5 hrs)

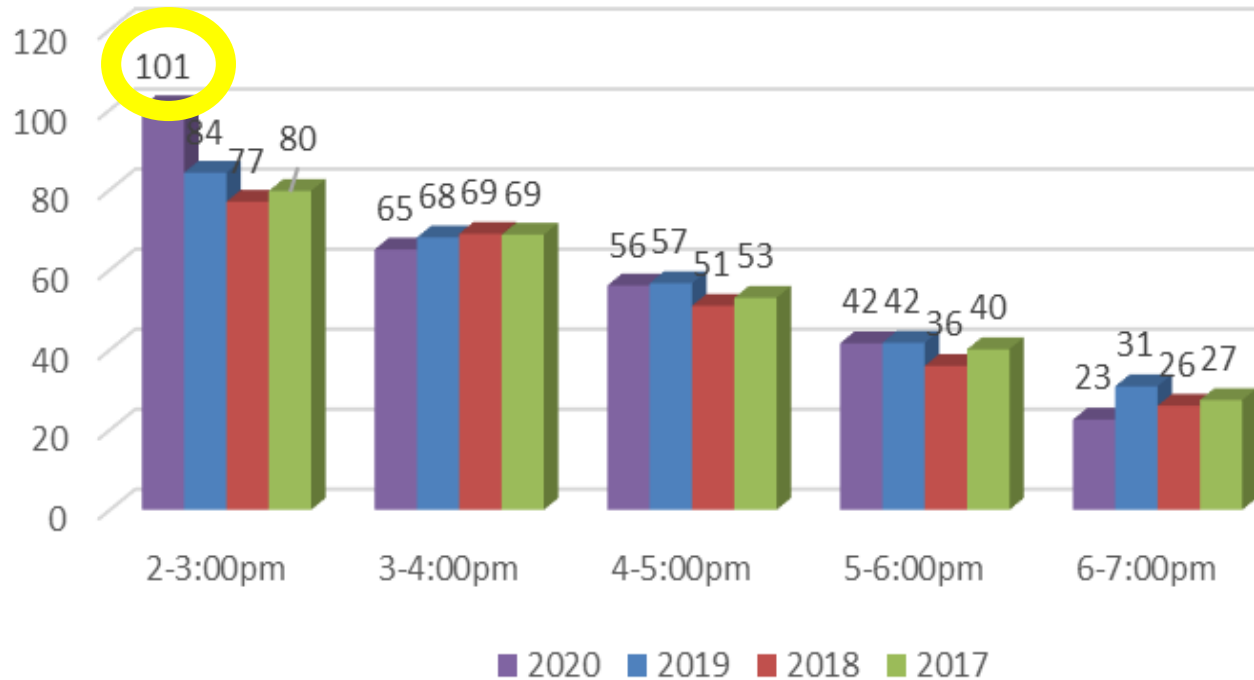


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Track Participation by Hour

****Assume 1 car = 1 household**



1st Hr 30-35%

2nd Hr 22-25%

3rd Hr 19-20%

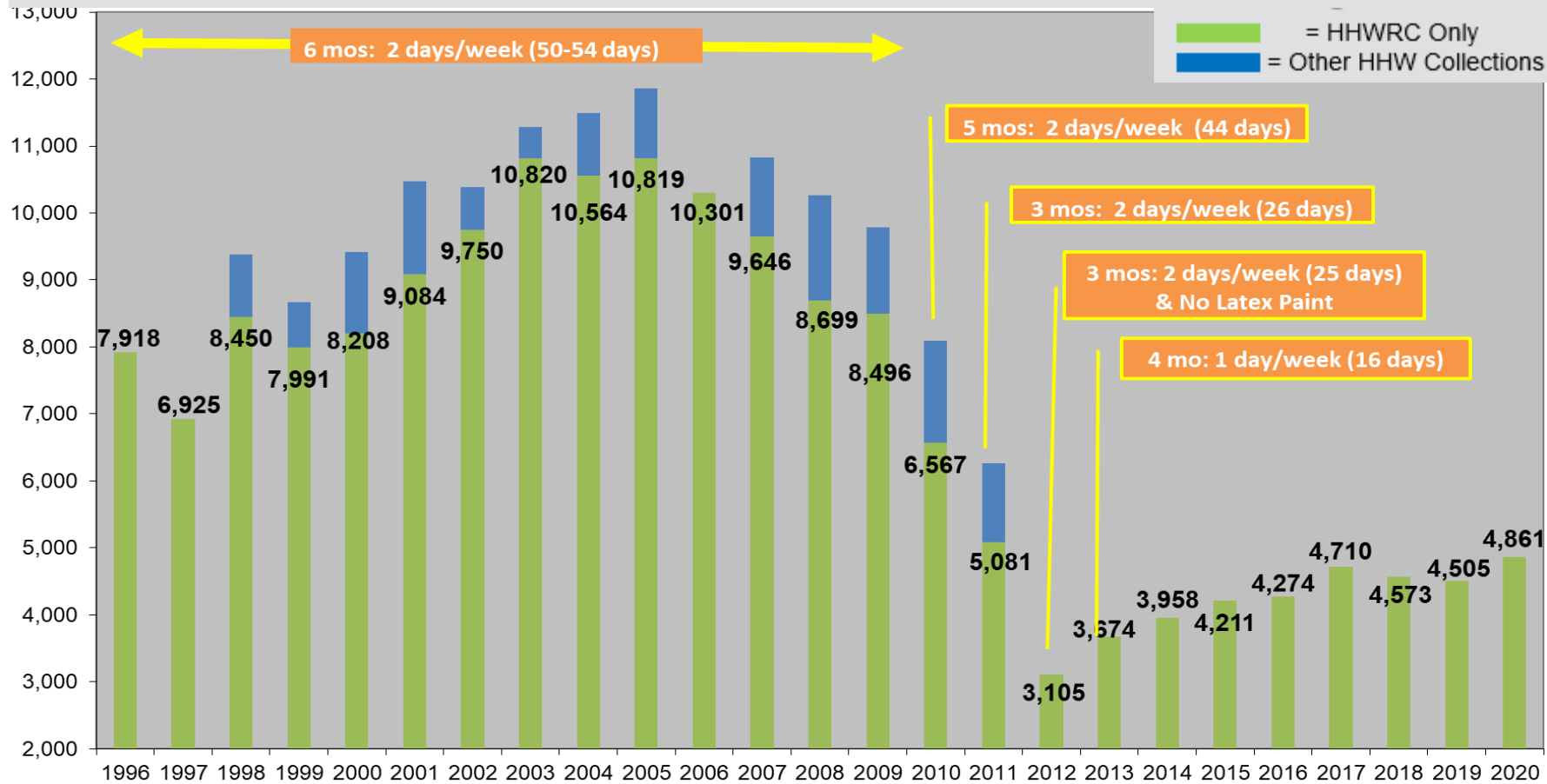
***Approx 75% of
daily HH count
served in
first 3 hrs***

4th Hr 15%

5th Hr 8-10%

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Participation (# of HH serviced)



History of Supplemental HHW Collections

- 1998-2000= Contractor held small neighborhood HHW collections
- 2001-2008= Community staffed HHW collections
- 2009-2011= Regional collection staffed by contractor
- Serviced about 14,000 additional households
- 2012 Ceased all supplemental HHW collections



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Service Agreement – Contractor Expectations

- 4 Different Contractors Operated HHWRC
 - Heritage Environmental 1996-2008
 - Veolia 2009-2015
 - EnviroServe 2016-2019
 - ERG 2020-

Expectations of Contractor- *Labor*

- Contractor Required to Provide All Labor for Unloading & Sorting
 - 8-16 employees/operation day
 - Preference for same employees for entire season
 - Requirements for sub-contracted labor (less preferred)
- ReWorks Provided Labor
 - 1 ReWorks Employee: survey, collect fee, answer questions
 - 2 Temp Employees: break down OCC & unload tires
 - 1 Deputy: Security

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Expectations of Contractor- *Supplies & Equipment*

- Contractor Required to Provide All Supplies
 - PPE
 - Packaging (Boxes, Drums, Liners, etc.)
 - Spill Response Supplies
 - Unloading Carts, Pallet Jack, Hoppers
- ReWorks Provided Supplies & Equipment
 - Fork lift & Gator
 - Oil Sink, Some Tabletop/Drum Containment
 - Misc Tools and Supplies (First Aid, Cleaning Supplies, etc)

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Expectations of Contractor- *Material Acceptance*

- Contractor Required to Manage All HHW
 - Required to take ownership of material
 - Required to evaluate participants
 - Identify and decline any non-residential material (businesses, schools, gov, etc)
- ReWorks Managed Materials
 - Tires, OCC, Trash, Cooking Oil, Scrap Metal

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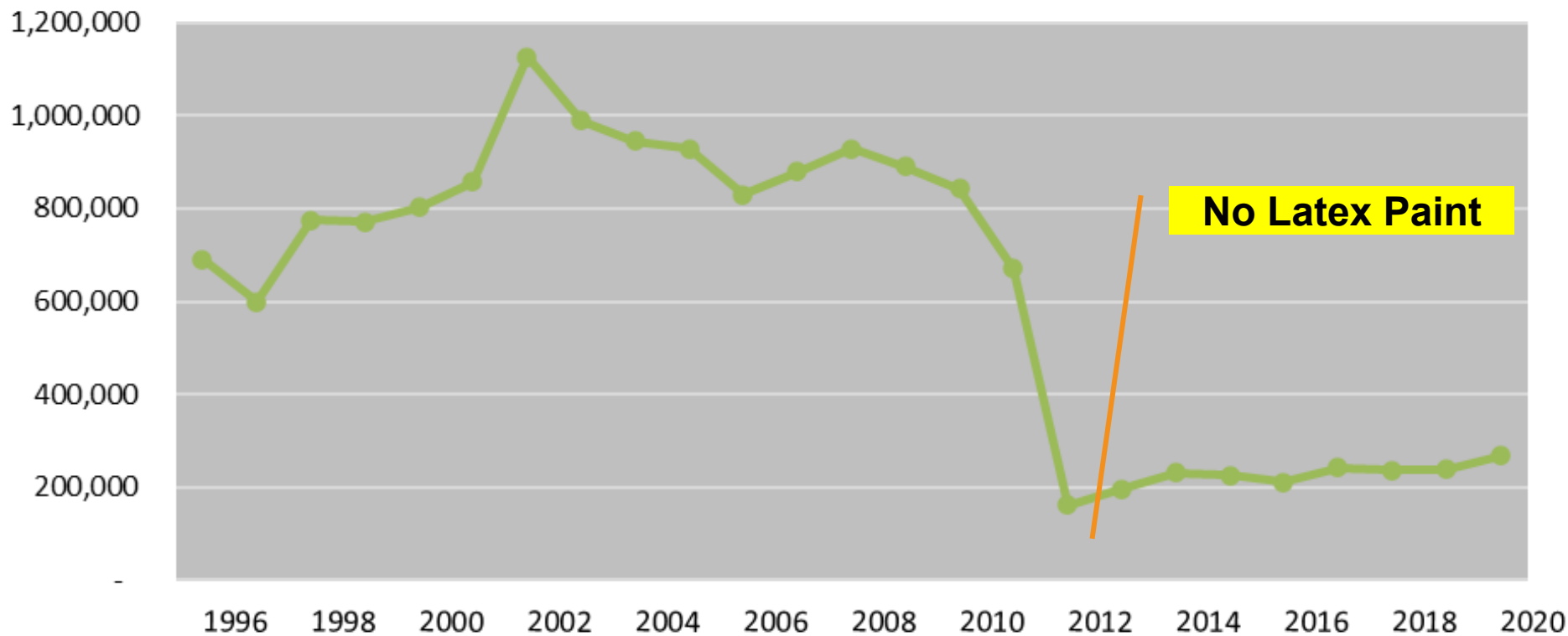
Comments on Service Agreement Contractor Expectations



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Total HHW Lbs Collected Under Contractor Service Agreement



Comments on Material Acceptance Process



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The materials that you have brought to the Household Hazardous Waste Recycling Center ("HHWRC") meet one of the following criteria.

- ☐ **Container(s) brought to the HHWRC is/are larger than 5 gallons;**
- ☐ **Signs/labels on the container(s) and/or your vehicle indicate that materials are from a business, farm, school, church, or other non-household location;**
- ☐ **Materials brought to the HHWRC consist of larger volumes and/or multiple containers of similar material;**
- ☐ **Materials appear to be used for commercial applications and/or not normally used in a household.**

In order to accept these materials it must be determined that they are considered household hazardous waste ("HHW"). Please provide answers to the following questions in order to confirm whether these materials are HHW and can be accepted at the HHWRC:

Did the material(s) come exclusively from your home and/or the homes of other Summit County residents?

YES

NO

Were the material(s) acquired for personal use?

YES

NO

Were the material(s) generated as a result of conducting a business, church, school, or other non-residential activity?

YES

NO

Participant Declaration

I affirm that the above answers are true, accurate and complete.

Name (print) _____

Address: _____

Phone Number _____

Vehicle License Number _____

Signature _____

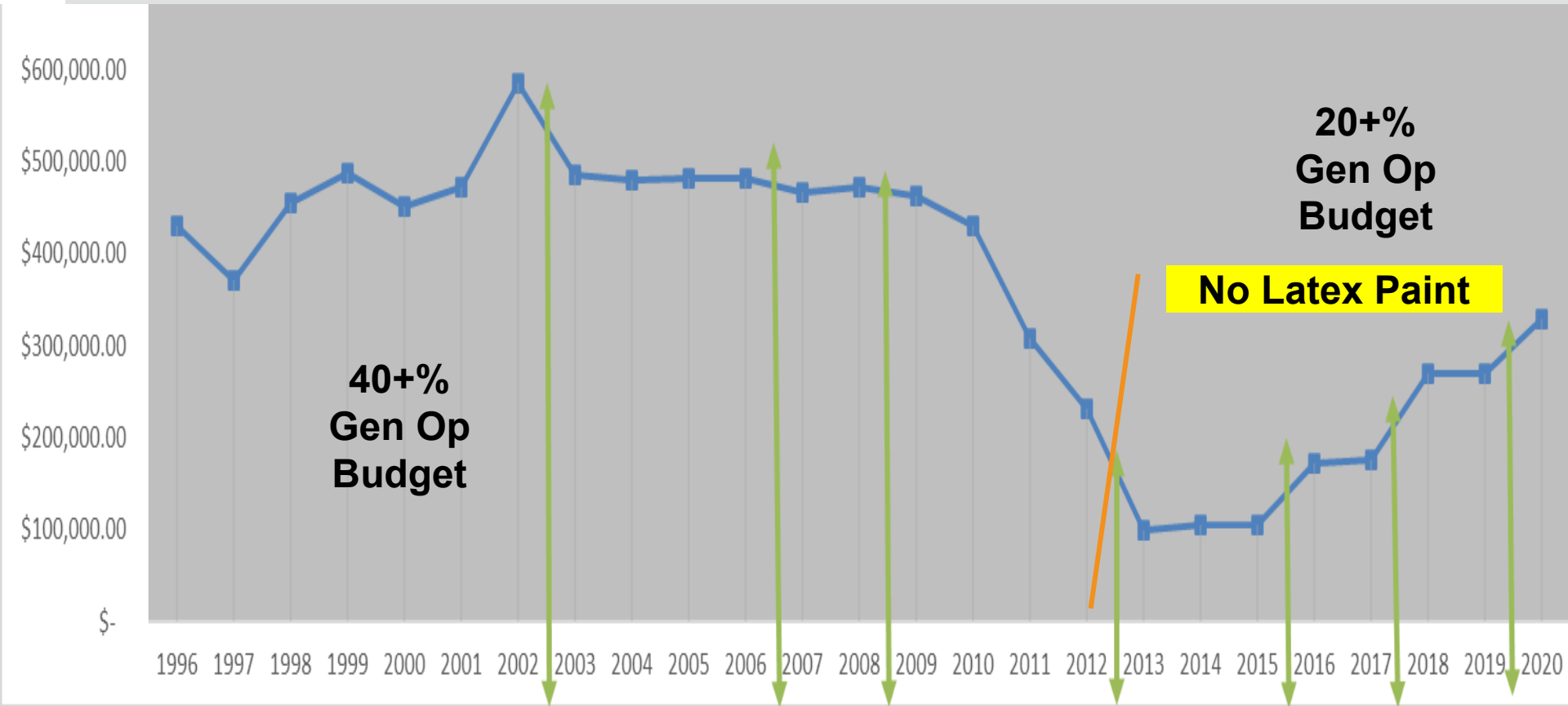
Description of Materials/Comments:

Service Agreement – *Fee Structure*

Factors in Evolution of HHW Program Fee Structure

- Historic Data
 - Participation
 - Weight of Material by Category
 - Labor Requirements
- Minimize Variable Costs
- Establish a Not-to-Exceed Annual Service Fee

Contractor Annual Service Fee



Service Agreement Fee Structure

	Weight Range (lbs)			Operating Season: 2020-2021	(Optional 2 year renewal) Operating Season: 2022-2023
	256,503	and	more		
	249,752	to	256,502		
	243,001	to	249,751		
BASE	216,000	to	243,000		
Decrease in Weight	209,249	to	215,999		
	202,498	to	209,248		
	202,497	and	less		

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Comments on Service Agreement Service Fee Structure



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Day or Night, HHWRC is the place to be



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HHW Stats, Sample Agreements, RFPs

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