

December 2024



Monthly *Caretaker* Report



Andy Souza, Public Works Director
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To: Jeff Meisel, City Manager

RE: Public Works Monthly Report for December 2024

Available on the City's Website: <https://www.bgky.org/publicworks>

Date: Submitted – 4 January 2025



Figure 1-Envionmental Compliance Team members inspect sections of Big Bertha Cave. Public Works enters caves to conduct ambient water sampling, firefighter familiarization training and for karst educational purposes (13 December)

January <i>Dave Delp</i>   Ops	February <i>Allen Papp</i>   Ops	March <i>Daniel Colter</i>   P&D	April <i>Jeff Walder</i> <i>Matt Powell</i> <i>Ryan Johnson</i>       Ops ECD Ops			May <i>David Long</i>   Fleet	June <i>Jeff Walder</i>   Ops
Peer Selected Shining Stars							
July <i>Patrick Henderson</i>   Ops	August <i>Courtney Howell</i>   ECD	September <i>Kim Wilhelm</i>   Fleet	October <i>David Webb</i>   Ops	November <i>Kenny Woods</i>   Facilities	December <i>Nick Updegraff</i>   Fleet		



Shining



Stars





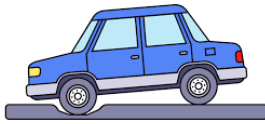
Operations Update

Ryan Johnson, Operations Manager
270-393-3202 (office)

- **Summary-** Operations completed **79 work orders** in December (103 for November). Operations repaired/installed **36 signs**. Miles of added maintenance from subdivision acceptance this year: **6.53**.



Current Month (December 2024)



**Potholes
Repaired**
2



**Street
Sweeping
Hours/miles**
36/113



**L/ft
Sidewalks
Repaired**
50



**Tons of
Asphalt Used**
.2

Previous Month (November 2024)

3

106/307.5

51

64



Figure 2- Operations crews pick-up leaves on Red Oak Drive, located in Zone 4 (5 December)

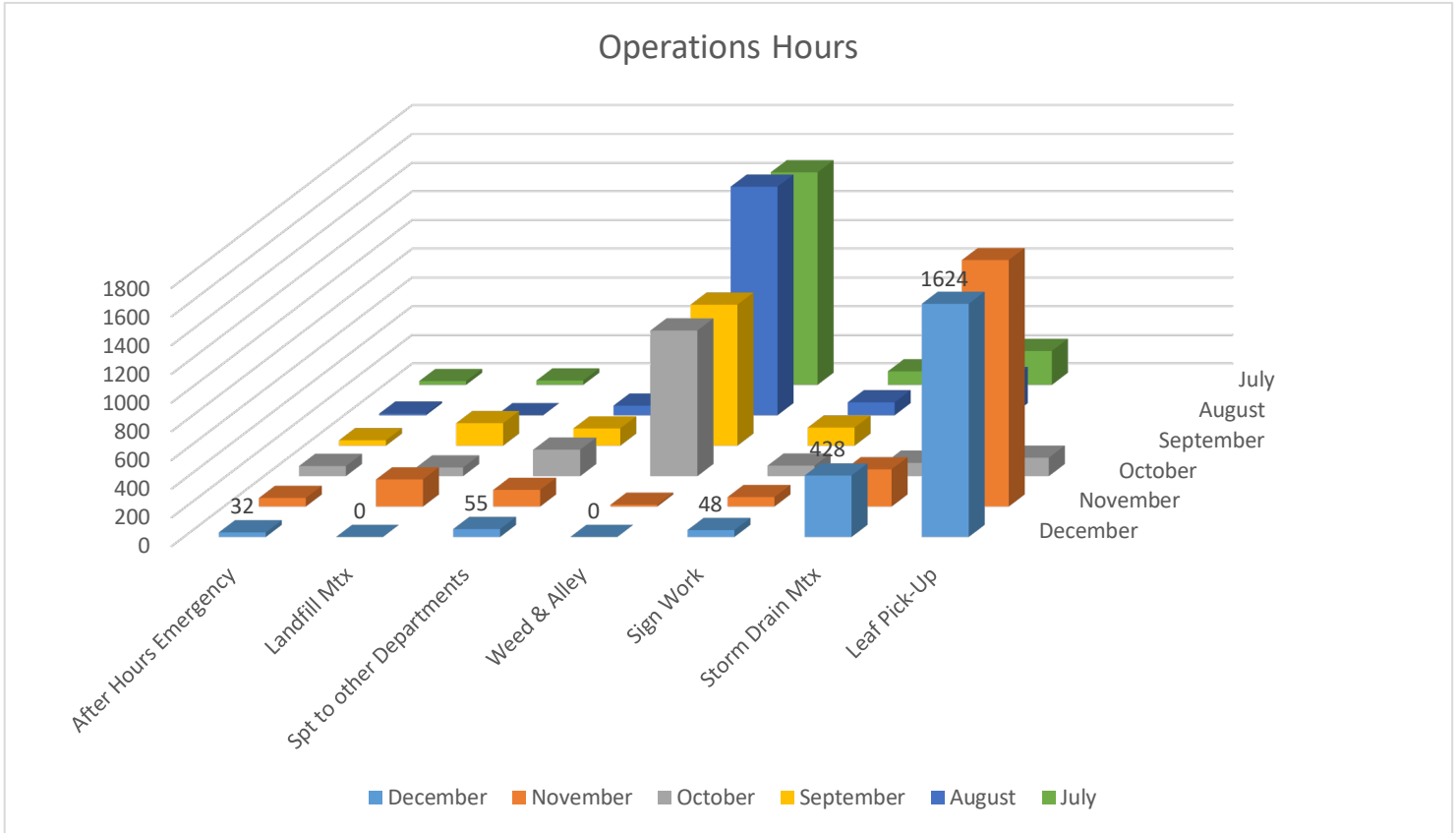


Figure 3- Operations Hours (July-December)



Figure 4- In preparation for inclement weather, snow plows are prepositioned for quick access. Lane miles: Priority A: 338, B: 93.5, C: 51, D: 102.6. Total Miles to plow: 585.10 (26 December)



Fall 2024 Leaf Pick-Up Season



Leaf Pick-up Statistics



Loads to date:

153

Tons to date:

650



Total
Weight

1,300,500

Year	Total Loads
2023	223
2022	272
2021	225
2020	249
2019	266



Figure 5- Leaf pick-up across the city (December 2024)

Operations Highlight #1



Winter Banner Installation
Downtown
Conducted: 6 December



Sidewalk Repair
Conducted: December



Planning & Design Update



Melissa Cansler, City Engineer
270-393-3212 (office)



Plats Reviewed



Subdivision Inspections



ROW Permits



CDR Reviews

6	3	21	12
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- **Ken Bale Blvd @ Drakes Restaurant.** The Planning and Design team procured a new curb system for installation near the new Drakes Restaurant in the amount of **\$5,800.**
- **Scottsville Road Multi-Use Path:** A progress meeting was held and preliminary designs reviewed with our design team including MPO and KYTC representatives.
- **Riverview Avenue Pedestrian Islands:** (grant funded) Bid document reviewed with KYTC Central Office representatives.
- **Cave Mill Road Widening:** Correspondence sent to the most significantly impacted residents. A public meeting is scheduled for late January.
- **Three Springs Road Sidewalk Extension:** In late October 2024, a TAP Grant application was approved for funding for a 5' sidewalk extension. The sidewalk will begin at Wheatstone Avenue and terminate approximately 500' past Fieldstone Blvd. In-house topographic survey was completed in December. Design has begun.



Figure 6-Final construction of the new sidewalk on Creekwood Avenue (09 December)

Commercial Development Inspections



Week	New Permits	Sites Inspected
December 2	20	27
December 9	19	28
December 16	15	28
December 23	10	74
December Totals	64	157

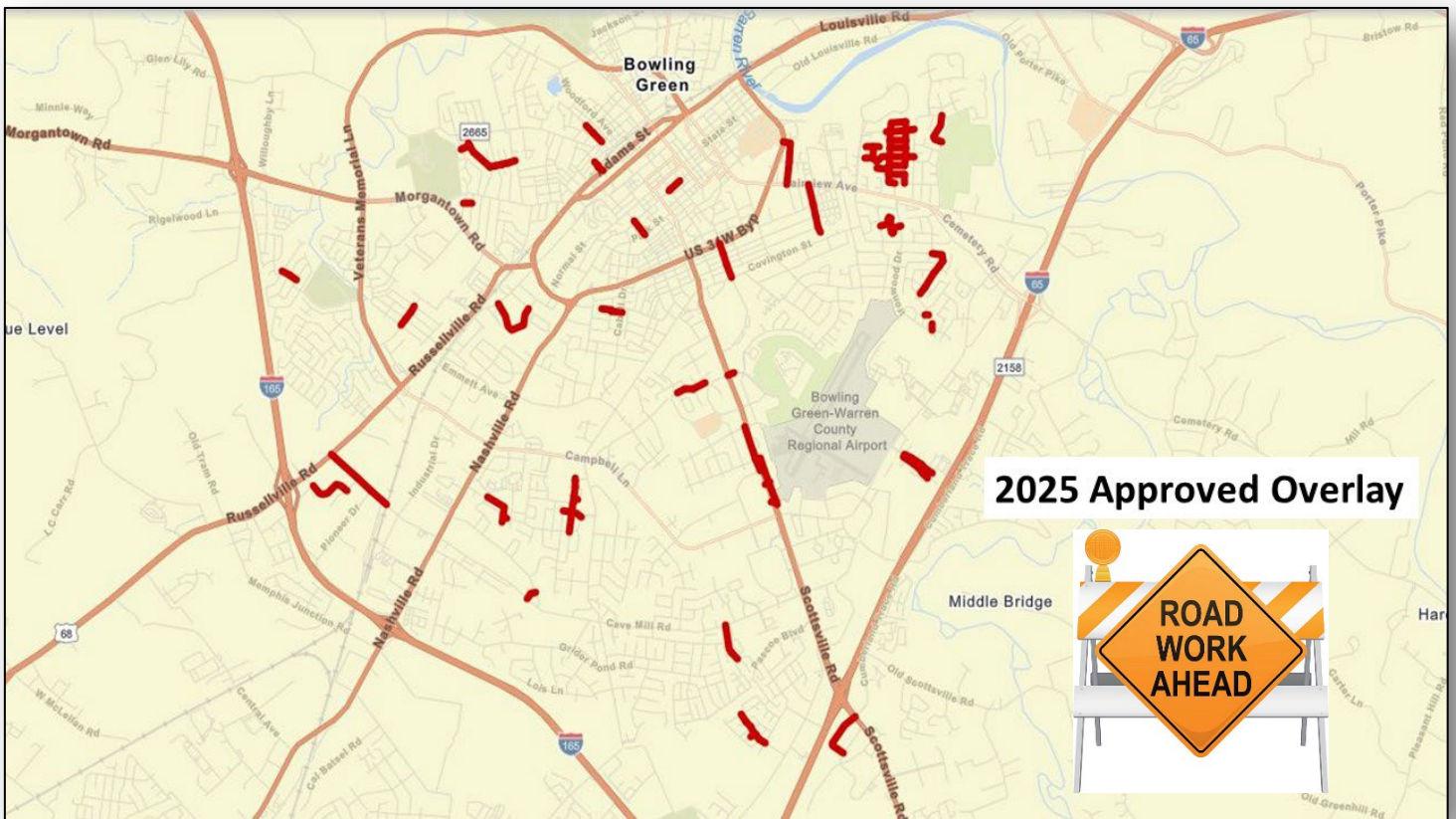


Figure 7-The Board of Commissioners approved the 2025 Street Overlay on 3 December. The areas depicted in red will be milled and replaced with new asphalt, markings and ADA ramps. In total, up to 11 miles of roadway will be replaced/repared. Areas are also deconflicted with planned improvements from the local utilities. Funding is provided from the Kentucky Liquid Fuel Tax and \$1 Million dollars from the General Fund.



Environmental Compliance Update

Matt Powell, Environmental Manager
270-393-3071 (office)



Erosion Prevention and Sediment Control (EPSC) class: On 5 December, Matt Wisenden instructed 18 contractors on Best Management Practices and city requirements for EPSC at construction sites. Wisenden and Howell worked with NCS and the PIO to record and create transcripts of the course for translation and on 27 December presented the course for two Vietnamese speaking contractors. This class is held multiple times per year and is augmented with field day events, such as last month's Muddy Water Blues.

Big Bertha Cave Inspection: On 13 December, members of the Environmental Compliance Division, PW Director and members of the Bowling Green Fire Department entered Big Bertha Cave. The cave is part of the Lost River Cave system. The purpose of the inspection was to conduct water sampling, familiarize first responders with cave topography and to obtain pictures and videos for karst educational purposes. The team wore reflective gear, had multiple sources of light and air quality sensors. Cave entry is a dangerous activity and should only be accomplished by trained professionals.

Geologist Update: BGPW staff are currently familiarizing themselves with the electrical resistivity equipment purchased this fall and the software that accompanies it. We have researched the various application methods and used the software to build appropriate programs for 14, 28, and 56 pin surveys. One test survey has been conducted, with five scheduled for the first half of January 2025. In layman's terms, the equipment allows a skilled technician to "view" voids and subterranean features returned to a laptop screen when electrical currents are run through the ground.



Figure 8-Water sampling and injection well monitoring in Big Bertha Cave (13 December)

GIS Capability Increase: On 30 December the staff took delivery of an Arrow 200 Dual-Frequency, Multi-Constellation GNSS Receiver. The device will allow staff to collect spatial data regarding storm sewer features and update the City's GIS information without third party vendors or requiring direct support from other City departments. This will expedite the City's decade's long project to map our storm sewer systems.



Failing stormwater infrastructure (6 December)



Stormwater Infrastructure failure created sinkhole (9 December)





Facilities Update

Dave Hehner, Facilities Management
270-393-3055 (office)



In December, select buildings had window cleaning in the amount of: **\$4,506.70** **80-Work Orders**

	Plumbing 	HVAC 	Electrical 	Carpentry 	Cleaning 	Construction 	Other
PW Admin	3				1		
PW Ops	1	2	2		1		Wash bay heater \$3,624
PW Fleet	2	5	5		2	2	
City Hall	1	3	2				Boiler replacement \$49,500
CH Annex	1				1		
NCS	1	3		1	1		
BGPD	1	4	2		1	1	
Fire HQ	2	1	1				
Fire #1	4		1				
Fire #2	1		2				
Fire #3	1	1					
Fire #4		1					
Fire #5							4" & 6" water meter \$78,500
Fire #6		1					
Fire #7		2	1				
Fire #8							
Convention Ctr		2					
Hobson House							
White House							
Transit Bldg						10	
BGPD Tower Spt							
Totals	18	25	16	1	7	13	



Admin	Ops	Fleet	CH	Annex	NCS	PD	HQ	1	2	3	4	5	6	7	8	CC	HH	WH
1945	1992	1992	1907	1946	1974	1997	2009	1980	1980	2001	2001	1987	2008	2020	2024	1995	1872	1930
79 years	32 years	32 years	117 years	78 years	50 years	27 years	15 years	44 years	44 years	23 years	23 years	37 years	16 years	4 years	1 year	29 years	152 years	94 years



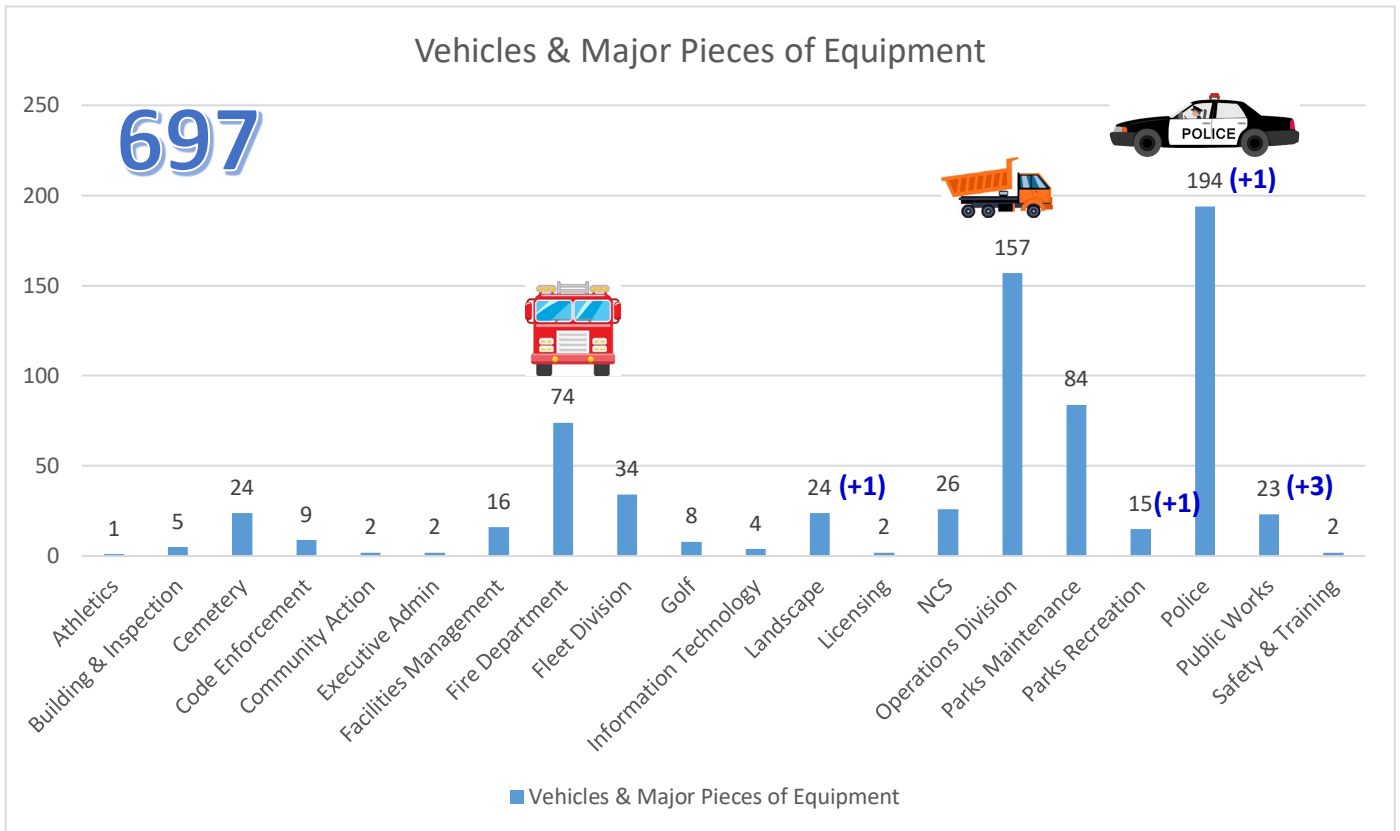
Fleet Update

Denise Gilland, Fleet Manager
270-393-3201 (office)



Month Summary

- From 2-5 December, Fleet replaced the transmission, front bumper, grille hood and door on Unit 8140 (2024 Ford Maverick Pickup) in the amount of **\$12,532.10**. The vehicle was involved in an accident, not the city's fault. Cost will be recouped.
- On 4 December, Fleet procured scene lighting for Unit 2240 (2010 Pierce Arrow Aerial Truck) in the amount of **\$6,570**



Unit 4108, 2015 Ford
27,423 miles

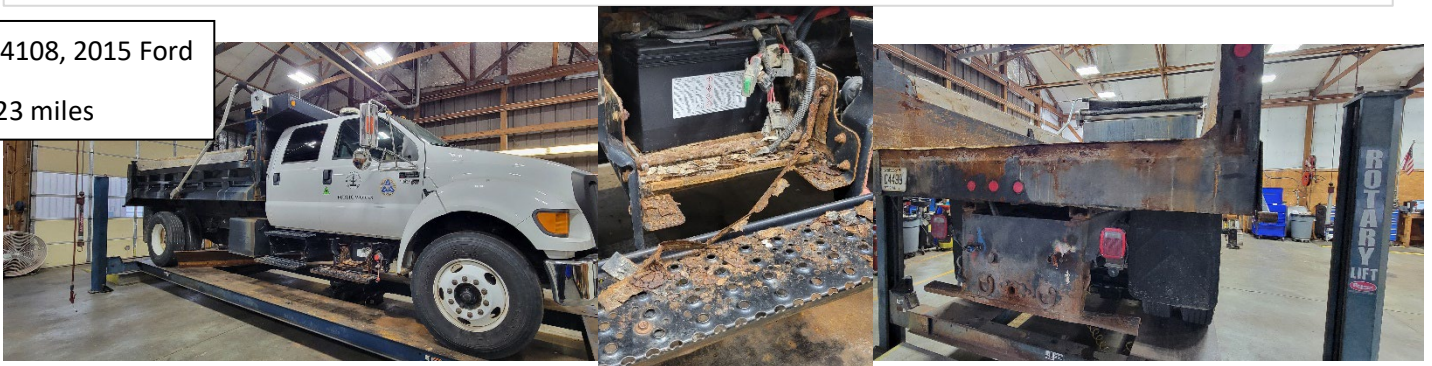























Figure 9-Rust! This is one of the snow plow trucks and suffers from rapid salt corrosion. The brake and fuel lines, fuel tank and battery compartment required replacement by the Fleet Division (27 December)

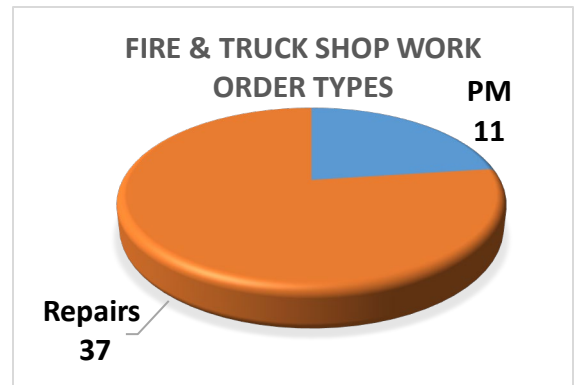
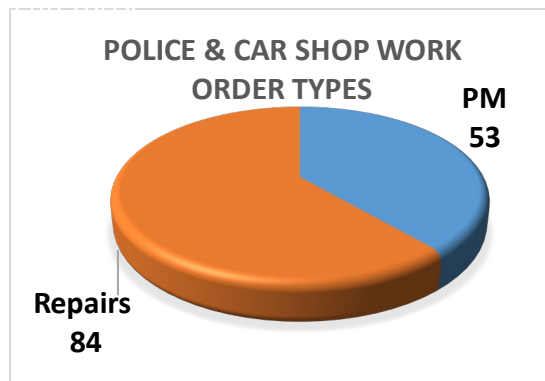
52

City Leased Equipment





BGPD  2	Public Works  5	BGFD  1	Parks Maintenance  3	Parks & Recreation/Golf  3	PW Fleet  2	Code Enforcement/ Building Inspection  3
 2	 3	 2	 1	 9	 1	Landscaping  3
 4	NCS  1	PW Ops  2	IT  1	HR/Safety  1	Athletics  1	Cemetery  2

Total Parts
used in
December

238



City Fleet Monthly Usage (Previous Month)

November				
	13.6K	3.4K	320	\$42,332
October	17.4K	4.7K	183	\$55,116
	Gallons	Gallons	Gallons	Dollars



Figures 10- Service Technician Terry Roberts troubleshoots a zero turn riding mower at Fleet (4 December)



Figure 11-Annual Employee Service Awards (13 December)



Admin Update



Promotion	Operations Division	The Board of Commissioners approved the promotion of Joshua Minton to the position of Signal Technician II by Municipal Order 2024-278 on 3 December 2024.
Bid Acceptance	Environmental Division	The Board of Commissioners approved Municipal Order 2024-282 authorizing and accepting Bid #2025-10 for Fiscal Year 2025 street overlay project from Scotty's Contracting & Stone, LLC of Bowling Green, Kentucky in an amount not to exceed \$2,000,000 on 3 December 2024.
Promotion	Fleet Division	The Board of Commissioners approved the promotion of Kim Wilhelm to the position of Office Associate II by Municipal Order 2024-285 on 17 December 2024.
Change Order	Planning and Design Division	The Board of Commissioners approved Municipal Order 2024-299 authorizing a change order to the contract with Scott & Ritter, Inc. of Bowling Green, Kentucky for demolition and sinkhole repair services in an amount of \$55,286.58, for a total project cost of \$185,286.58 on 17 December 2024.

Media Engagements

11 December	WNKY	➤ Snow Preparedness	Director Andy Souza
24 December	Bowling Green Daily News	➤ Snow Preparedness	Operations Manager Ryan Johnson



Figure 12-Presents donated by PW Employees for PW children for Operation Public Works. All children in the department were eligible. Presents for 30 children were collected this year, an increase of 11 over 2023.