



# Solid Waste Presentation

**Department of Public Works**

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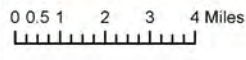
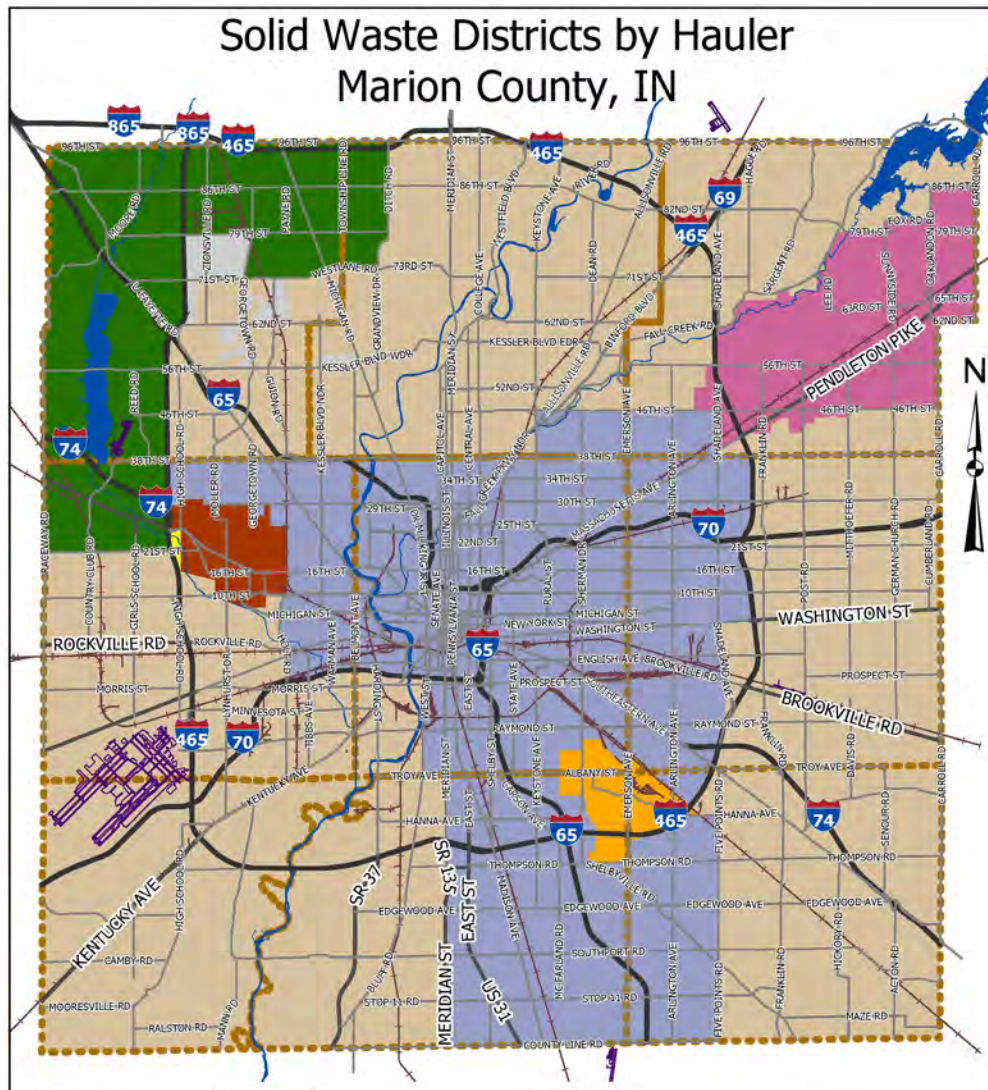
# Within Local Ordinance

- Per Indianapolis code, the Solid Waste Division is responsible for the following:
  - Provide collection and disposal of residential solid waste;
  - Provide collection and processing of recyclable materials through the curbside and roll-off recycle program;
  - Provide collection and disposal of dead animals;
  - Provide customer service response to all solid waste complaints and services requests; and
  - Provide other citizen services as directed, including, but not limited to, neighborhood cleanups, special event cleanup, tire disposal, downtown pedestrian solid waste collection and disposal, and solid waste roll-off collection and disposal.

# What We Actually Do

- There are eleven geographical solid waste areas that receive weekly waste pick-up services. These areas are serviced by DPW's Solid Waste Division, Waste Management of Indianapolis Hauling, and Republic Waste Services of Indiana. DPW Solid Waste manages not only picks up trash in our respective area, we also oversee and manage the vendor contracts.
- DPW services approximately 121,000 units per week, with 273,000 serviced county-wide.
- Marion County citizens may request voluntary subscription recycling services, paying quarterly fees to Republic Services or Ray's Trash Service, depending on their location within the county. DPW holds the contract with Republic to provide these services. Republic currently sees 11.6% participation in the program.
- The Solid Waste Division services recycling drop-off locations; sixteen locations within Marion County where citizens may drop-off recyclables for free. 33% of materials dropped at these sites are not recyclable.

# Solid Waste Districts by Hauler Marion County, IN



Legend		
Airfield Structure	Solid Waste Collection Area	EXCLUDED
Railroad	HAULER BEECH GROVE	LAWRENCE
River/Reservoir	BFI	REPUBLIC SERVICES
Township Boundary	DEPARTMENT OF PUBLIC WORKS	SPEEDWAY
		WASTE MANAGEMENT INC.

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Date: Sept. 2020  
Produced by: IndyGIS, O.S.  
Data source: IndyGIS

# What We Actually Do

- Heavy Trash: Residents can set out two items of heavy trash per month.
- Leaf Season: Four weeks in late November/early December. Residents can dispose up to 40 bags of leaves each week with regular trash. Leaves are composted at the landfill.
- Citizens' Transfer Station: This location is open for eight hours on Saturdays. Residents can dispose of extra household trash, heavy trash, and bags of leaves.
- Clean-up of encampments: At the request and in partnership with IMPD, DPW assists in cleaning up homeless encampments. IMPD leads the cleanup and directs DPW what to take and what not to take.
- Contract monitors: DPW staff who personally inspect every complaint received countywide. Out of 15M collection points, we saw only 2,260 valid complaints in 2019.

# What We Actually Do

DPW Solid Waste hasn't had a fully-staffed day in 4+ years.

Solid Waste Team	# of Staff
Residential Solid Waste	54*
Heavy Trash	9
Roll-off (Recycling, Dumpsters, KIB, etc.)	6
Downtown Crew	12
Special Crew (ADA, Animals, Apts., etc.)	11
Cart Maintenance	4
Garage Attendants	2
Contract Monitors (Non-union)	6
Other Bi-weekly Staff (Non-union)	2
Management (Non-union)	8
<b>Total</b>	<b>114</b>

\*Currently six open positions, only 48 are filled



# How We're Funded

- Solid Waste Special Service District Levy. \$0.0957 for every \$100. The median property tax in Marion County is \$1,408, meaning an average household provides \$135 annually towards the levy.
- Solid Waste Disposal User Fee. Implemented in 1989, this fee is billed semi-annually to property owners and totals \$32.00 annually. This model for billing is common in similar municipalities, although the Marion County fee has not been updated since its implementation.
- Covanta Steam Credit
- The Citizen Transfer Station collects \$2.00 per carload and \$5.00 per SUV/Truck load. The fees collected do not cover the cost of running this program.

# Funding Breakdown

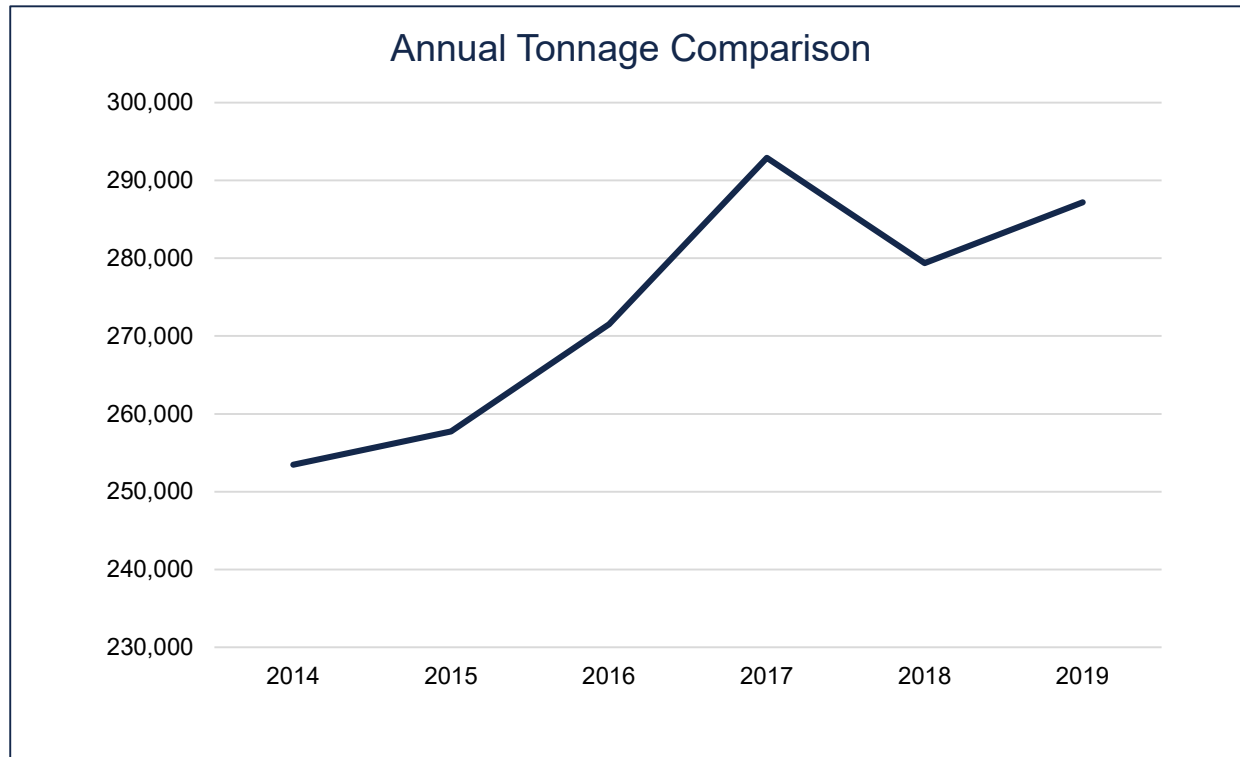
	2021	2020	2019	2018	2017
	Introduced Budget	Adopted Budget	Revised Budget	Revised Budget	Revised Budget
<b>Solid Waste User Fee</b>	\$9,100,000	\$9,100,000	\$8,900,000	\$8,850,000	\$8,850,000
<b>Solid Waste Special Service District Levy</b>	\$37,751,429	\$36,454,681	\$35,183,587	\$34,164,371	\$32,401,482
<b>Subtotal</b>	\$46,851,429	\$45,554,681	\$44,083,587	\$43,014,371	\$41,251,482
<b>Covanta Steam Revenue Share</b>	\$2,200,000	\$2,200,000	\$2,100,000	\$2,100,000	\$2,300,000
<b>Other Miscellaneous Revenues</b>	\$695,700	\$790,700	\$713,200	\$571,000	\$571,000
<b>Total Revenues</b>	\$49,747,129	\$48,545,381	\$46,896,787	\$45,685,371	\$44,122,482
<b>Expense (inclusive of fiscal ordinances)</b>	\$49,459,650	\$48,408,450	\$48,980,516	\$46,592,158	\$44,854,006
<b>Variance of Revenues vs. Expense</b>	<b>\$287,479</b>	<b>\$136,931</b>	<b>-\$2,083,729</b>	<b>-\$906,787</b>	<b>-\$731,524</b>
<b>Revenue Lost to Circuit Breaker</b>	\$5,205,938	\$4,637,808	\$4,785,014	\$4,617,597	\$5,083,810

- In 2019, \$2M was pulled from the fund balance to make critical investments in equipment
- In 2020, DPW pulled some expenses out of the Solid Waste budget



# Tonnage

Tonnage has steadily increased year over year. From 253,441 tons collected in 2014, to 287,177 tons collected in 2019. 2020 is on pace to continue that growth.



\*Drop between 2017 and 2018 due to Republic Waste Management's roll-out of carts, decreasing weekly amounts picked up per home.

# Tonnage & Tipping Fees

- From January to July, Marion County has averaged **45 pounds** of trash collected per home, per week. For the entire year of 2019, that average was **42 pounds**.
- At \$34.32 per ton, DPW paid **\$2.25M** from Jan-August 2019. At \$35.24 per ton, DPW paid **\$2.75M** for the same time period in 2020.

Month	2019		2020	
	Total Tons	Average by District	Total Tons	Average by District
January	21,150.96	1,922.81	23,916.11	2,174.19
February	19,602.71	1,782.06	19,169.20	1,742.65
March	20,475.92	1,861.45	24,293.03	2,208.46
April	25,557.66	2,323.42	28,997.65	2,636.15
May	27,332.12	2,484.74	30,961.11	2,814.65
June	27,567.58	2,506.14	30,466.83	2,769.71
July	26,162.75	2,378.43	29,627.84	2,693.44
August	24,692.42	2,244.77	0.00	0.00
September	23,287.82	2,117.07	0.00	0.00
October	23,273.10	2,115.74	0.00	0.00
November	23,434.10	2,130.37	0.00	0.00
December	24,640.58	2,240.05	0.00	0.00
<b>Total Tons</b>	<b>287,177.72</b>	<b>23,931.48</b>	<b>187,431.77</b>	<b>15,619.31</b>

# Solid Waste Fleet

- DPW Fleet went without essential capital investments for seven years.
- Despite capital investments in 2018, 2019, and 2020, the average age of a Solid Waste vehicle is seven years old.
- There are currently 107 vehicles in the Solid Waste fleet – the chart below highlights some of the average ages and dollars invested in heavy equipment.

Vehicle Type	Amount	Average Age	Dollars Invested
Two-Person Packer	20	2018*	\$5.4M
Automated Truck	32	2013*	\$8.9M
Downtown Packer	2	2014	\$179,368
Roll-off Truck	11	2011	\$2.2M
Boom Truck	13	2013*	\$1.9M
Internal Recycling Truck	1	2008	\$145,210
Recycle Sites Truck	1	2012	\$32,763
Dead Animal Truck	2	2013	\$106,874
Power Washer	2	2012	\$41,190
Maintenance Flatbed	4	2010	\$170,266

- 13 out of 20 Packer Trucks are from 2010. Recent investments skews this average.
- 21 out of 31 Automated Trucks are 2012 or older. Recent investments skews this average.
- 10 out of 13 Boom Trucks are 2012 or older. Recent investments skews this average.

# Solid Waste Fleet

- New lease program will allow DPW to turnover a portion of the fleet every five years
- Equipment Received in 2020
  - 3 Boom trucks
  - 2 Side load trucks
  - 1 Pickup truck with easy dump insert
  - 1 Roll-off truck
  - 1 Small packer
  - 28 additional trucks will be ordered as part of the lease program



New roll-off truck



New boom truck

# What isn't Covered

- Nowhere near where we should be on equipment. Another \$3M is needed to cover equipment needs.
- Curbside Recycling
- ToxDrop Program
- No dedicated funding source for totes/carts
- No fines or enforcement
- No ownership over recycling sites. Recycling Drop-off sites are voluntary by property owners/managers
- Education/Outreach to residents

# Moving Forward: Contracts

- Republic Waste Services, Ray's, and Waste Management service agreements expire in 2025.
- The Covanta and Southside Landfill service agreements expire in 2025.
- Republic recycling processing service agreement expires in 2021, with the ability to renew up to 2025.
- A large RFP effort will be coordinated to attract and review vendors for all services.



# Moving Forward: RFQual

- Solid Waste Minimization RFQual issued August 21, 2020. Responses due October 2, 2020.
- Requesting qualifications related to:
  - Waste Characterization & Collection Analysis
  - Recycling & Waste Diversion Analysis
  - Solid Waste Minimization Planning
- Process will involve stakeholder engagement
- Deliverables will lay the groundwork for the larger RFP process.



# Recycling Recap

- Per ordinance, DPW must “Provide collection and processing of recyclable materials through the curbside and roll-off recycle program;”
- Marion County citizens may request voluntary subscription recycling services, paying quarterly fees to Republic Services or Ray’s Trash Service, depending on their location within the county. DPW holds the contract with Republic to provide these services. Republic currently sees 11.6% participation in the program.
- DPW Solid Waste services recycling drop-off locations; sixteen locations within Marion County where citizens may drop-off recyclables for free. 33% of materials dropped at these sites are not recyclable. Recycling Drop-off sites are voluntary by property owners/managers and can be removed at the owner’s discretion.
- Budget constraints currently limit the ability to provide universal curbside recycling or additional diversion methods.
- Contracts related to recycling and recycling processing expire in 2025. A robust RFP process will take place in 2021 or 2022 to determine potential new solutions for solid waste management.



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