

		Material Categories	Tons Disposed	Mean Composition
Paper			13,340	28.1%
•	1	Corrugated Cardboard	3,845	
	2	Newspaper	332	0.7%
	3	Office/High Grade Paper	237	0.5%
	4	Magazines/Catalogs	332	0.7%
	5	Aseptic Boxes and Gable Top Cartons	237	0.5%
		Mixed Recyclables	2,753	5.8%
		Compostable Paper	3,418	
	8	Non-recyclable Paper	2,184	
Plastic			10,301	21.7%
		#1 PET Bottles and Jars	665	1.4%
	-	#1 PET Non-Bottles & Containers	142	0.3%
		#2 HDPE Natural Bottles	190	0.4%
	-	#2 HDPE Colored Bottles	142	0.3%
		#3-#7 Bottles	47	0.1%
		#2-#7 Non-Bottle Rigid Containers	617	1.3%
		Expanded Polystyrene	617	1.3%
		Clean Retail Plastic Bags Industrial Film		
		All Other Film	1,851	
	-	Durable/Bulky Rigid Plastics	3,086 1,329	
		Remainder/Compostable Plastics	1,529	3.3%
Glass	12	Remainder/Compostable Flastics	1,139	
Giass	1	Clear Glass	427	0.9%
		Green Glass	142	0.3%
		Brown Glass	190	
		Non-recyclable Glass	380	
Metals	<u> </u>	Treff recyclable diass	1,424	
	1	Steel Cans	427	0.9%
		Aluminum Cans	237	0.5%
	3	Other Aluminum	142	0.3%
	4	Other Ferrous Metals	427	0.9%
	5	Other Non-Ferrous	190	0.4%
Organics			17,185	36.2%
	1	Food Waste	7,073	14.9%
	2	Yard Waste - Grass	380	0.8%
	3	Yard Waste - Other	1,044	2.2%
	4	Wood - Unpainted	1,756	
		Wood - Painted	1,092	2.3%
	6	Textiles and Leather Products	1,282	2.7%
		Diapers and Sanitary Products	1,519	3.2%
		Animal By-Products	1,377	
		Fines	380	
	10	Other organics	1,282	
Inorganics	<u> </u>		4,083	
		Electronics - Covered Devices	0	
		Other Electronics	190	
		Carpet and Carpet Padding Drywall/Gypsum Board	380	
		Concrete,Rock and Brick	190	
		Asphalt Roofing	47	0.1%
		Asphalt Paving	0	
		Other C&D	522	0.0%
		Medically-Related Wastes	95	
		Lithium Batteries	95	
		Automotive Batteries	47	0.0%
		Other Batteries	47	
		Other HHW	617	0.1%
		Bulky Materials	1,472	
		Furniture	380	
		Other Organics	95	
		PPE	95	
	+ - '	Total	47,472	
			,	1 20070

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.

	\neg	Material Categories	Tons Disposed	Mean Composition
Paper	+		10,592	28.1%
	1	Corrugated Cardboard	3,053	
		Newspaper	264	0.7%
	3	Office/High Grade Paper	188	0.5%
	4	Magazines/Catalogs	264	0.7%
	5	Aseptic Boxes and Gable Top Cartons	188	0.5%
	6	Mixed Recyclables	2,186	5.8%
		Compostable Paper	2,714	7.2%
	8	Non-recyclable Paper	1,734	
Plastic			8,180	
		#1 PET Bottles and Jars	528	
		#1 PET Non-Bottles & Containers	113	
		#2 HDPE Natural Bottles	151	0.4%
		#2 HDPE Colored Bottles	113	0.3%
		#3-#7 Bottles	38	0.1%
		#2-#7 Non-Bottle Rigid Containers Expanded Polystyrene	490 490	
		Clean Retail Plastic Bags	38	
		Industrial Film	1,470	
	_	All Other Film	2,450	
		Durable/Bulky Rigid Plastics	1,055	2.8%
		Remainder/Compostable Plastics	1,244	
Glass	+	nemanaer, compostable i lastico	905	
	1	Clear Glass	339	0.9%
	2	Green Glass	113	0.3%
	3	Brown Glass	151	0.4%
	4	Non-recyclable Glass	302	0.8%
Metals			1,131	3.0%
	1	Steel Cans	339	0.9%
	2	Aluminum Cans	188	0.5%
	3	Other Aluminum	113	0.3%
	4	Other Ferrous Metals	339	0.9%
	5	Other Non-Ferrous	151	0.4%
Organics			13,645	36.2%
		Food Waste	5,616	14.9%
		Yard Waste - Grass	302	0.8%
		Yard Waste - Other	829	2.2%
		Wood - Unpainted	1,395	3.7%
		Wood - Painted Textiles and Leather Products	867 1,018	
		Diapers and Sanitary Products	1,018	
		Animal By-Products	1,093	1
		Fines	302	
		Other organics	1,018	
Inorganics		other organies	3,242	
	1	Electronics - Covered Devices	0	
		Other Electronics	151	
	3	Carpet and Carpet Padding	302	0.8%
	4	Drywall/Gypsum Board	151	0.4%
	5	Concrete,Rock and Brick	38	0.1%
	6	Asphalt Roofing	0	0.0%
	7	Asphalt Paving	0	0.0%
	8	Other C&D	415	1.1%
		Medically-Related Wastes	75	
		Lithium Batteries	0	
		Automotive Batteries	38	
		Other Batteries	38	
		Other HHW	490	
		Bulky Materials	1,169	
		Furniture	302	
		Other Organics	75	0.8%
	17	PPE	75	
	1	Total	37,694	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.



	Material Categories	Tons Disposed	Mean Composition
Paper		6,646	14.0%
Plastic		9,020	19.0%
Glass		2,374	5.0%
Metals		4,272	9.0%
Organics		23,261	49.0%
	Yard Trimmings	3,798	8.0%
	Wood	3,798	8.0%
	Food Waste	10,444	22.0%
	Rubber,leather and textiles	5,222	11.0%
Inorganics		1,899	4.0%
	Total	47,472	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.

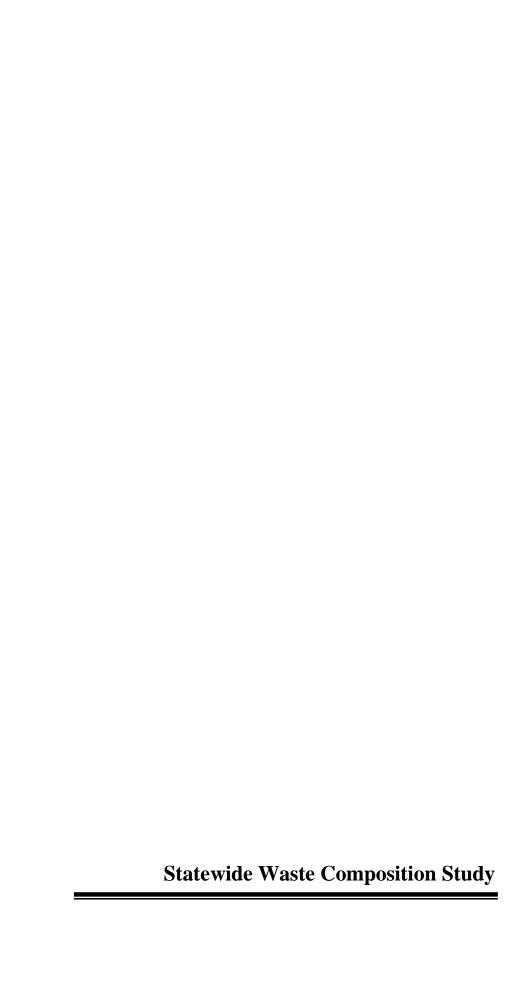
Adjusted Bedford County Estimate of the Current Composition of Discarded Municipal Waste Stream by Material Available for Recovery Based on EPA National Study

	Material Categories	Tons Disposed	Mean Composition
Paper		5,277	14.0%
Plastic		7,162	19.0%
Glass		1,885	5.0%
Metals		3,392	9.0%
Organics		18,470	49.0%
	Yard Trimmings	3,016	8.0%
	Wood	3,016	8.0%
	Food Waste	8,293	22.0%
	Rubber,leather and textiles	4,146	11.0%
Inorganics		1,508	4.0%
	Total	37,694	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.





		Material Categories	Tons Disposed	Mean Composition
Paper			330	28.1%
•	1	Corrugated Cardboard	95	8.1%
	2	Newspaper	8	0.7%
	3	Office/High Grade Paper	6	0.5%
	4	Magazines/Catalogs	8	0.7%
	5	Aseptic Boxes and Gable Top Cartons	6	0.5%
		Mixed Recyclables	68	5.8%
		Compostable Paper	84	
	8	Non-recyclable Paper	54	
Plastic			255	21.7%
		#1 PET Bottles and Jars	16	1.4%
		#1 PET Non-Bottles & Containers	4	
		#2 HDPE Natural Bottles	5	0.4%
		#2 HDPE Colored Bottles	4	
		#3-#7 Bottles	1	0.1%
		#2-#7 Non-Bottle Rigid Containers Expanded Polystyrene	15 15	1.3%
		Clean Retail Plastic Bags	15	0.1%
		Industrial Film	46	
		All Other Film	76	
		Durable/Bulky Rigid Plastics	33	
		Remainder/Compostable Plastics	39	3.3%
Glass	+	nemanaer, eempestasie i lasties	28	
	1	Clear Glass	11	0.9%
		Green Glass	4	
	3	Brown Glass	5	0.4%
	4	Non-recyclable Glass	9	0.8%
Metals			35	3.0%
	1	Steel Cans	11	0.9%
	2	Aluminum Cans	6	0.5%
	3	Other Aluminum	4	0.3%
	4	Other Ferrous Metals	11	0.9%
	5	Other Non-Ferrous	5	0.4%
Organics			425	36.2%
		Food Waste	175	14.9%
		Yard Waste - Grass	9	
		Yard Waste - Other	26	
		Wood - Unpainted	43	3.7%
		Wood - Painted	27	2.3%
		Textiles and Leather Products	32	2.7%
		Diapers and Sanitary Products Animal By-Products	38	
		Fines	9	
		Other organics	32	
Inorganics	10	Other Organics	101	
organics	1	Electronics - Covered Devices	0	
		Other Electronics	5	
		Carpet and Carpet Padding	9	
		Drywall/Gypsum Board	5	
		Concrete,Rock and Brick	1	
		Asphalt Roofing	0	
		Asphalt Paving	0	
		Other C&D	13	
	9	Medically-Related Wastes	2	0.2%
	10	Lithium Batteries	0	0.0%
	_11	Automotive Batteries	1	0.0%
	12	Other Batteries	1	0.1%
		Other HHW	15	0.1%
	14	Bulky Materials	36	1.3%
		Furniture	9	
		Other Organics	2	
	17	PPE	2	
		Total	1,173	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.

		Material Categories	Tons Disposed	Mean Composition
Paper			1,171	28.1%
	1	Corrugated Cardboard	338	8.1%
	2	Newspaper	29	0.7%
	3	Office/High Grade Paper	21	0.5%
	4	Magazines/Catalogs	29	0.7%
	5	Aseptic Boxes and Gable Top Cartons	21	0.5%
		Mixed Recyclables	242	5.8%
		Compostable Paper	300	
	8	Non-recyclable Paper	192	4.6%
Plastic		#4 DET Dettles and less	904	
		#1 PET Bottles and Jars #1 PET Non-Bottles & Containers	58	
		#2 HDPE Natural Bottles	13	0.3%
		#2 HDPE Colored Bottles	13	0.4%
		#3-#7 Bottles	4	
		#2-#7 Non-Bottle Rigid Containers	54	
		Expanded Polystyrene	54	
		Clean Retail Plastic Bags	4	
		Industrial Film	163	
	10	All Other Film	271	6.5%
	11	Durable/Bulky Rigid Plastics	117	2.8%
	12	Remainder/Compostable Plastics	138	3.3%
Glass			100	2.4%
	1	Clear Glass	38	0.9%
		Green Glass	13	0.3%
		Brown Glass	17	0.4%
	4	Non-recyclable Glass	33	
Metals			125	3.0%
		Steel Cans	38	0.9%
		Aluminum Cans	21	0.5%
		Other Aluminum Other Ferrous Metals	13	
		Other Non-Ferrous	17	0.9%
Organics		Other Non-rerrous	1,509	
Organics	1	Food Waste	621	14.9%
		Yard Waste - Grass	33	0.8%
	3	Yard Waste - Other	92	2.2%
	4	Wood - Unpainted	154	
	5	Wood - Painted	96	2.3%
	6	Textiles and Leather Products	113	2.7%
		Diapers and Sanitary Products	133	3.2%
		Animal By-Products	121	2.9%
		Fines	33	
	10	Other organics	113	
Inorganics	<u> </u>		358	
		Electronics - Covered Devices	0	0.0%
		Other Electronics	17	
		Carpet and Carpet Padding Drywall/Gypsum Board	33	0.8%
		Concrete,Rock and Brick	4	
		Asphalt Roofing	0	
		Asphalt Paving	0	
		Other C&D	46	
		Medically-Related Wastes	8	
		Lithium Batteries	0	
	11	Automotive Batteries	4	0.0%
	12	Other Batteries	4	
	13	Other HHW	54	0.1%
	14	Bulky Materials	129	1.3%
		Furniture	33	
		Other Organics	8	
	17	PPE	8	
		Total	4,168	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.



Fulton County Estimate of the Current Composition of Discarded Municipal Waste Stream by Material Available for Recovery Based on EPA National Study

	Material Categories	Tons Disposed	Mean Composition
Paper		164	14.0%
Plastic		223	19.0%
Glass		59	5.0%
Metals		106	9.0%
Organics		575	49.0%
	Yard Trimmings	94	8.0%
	Wood	94	8.0%
	Food Waste	258	22.0%
	Rubber,leather and textiles	129	11.0%
Inorganics		47	4.0%
	Total	1,173	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.

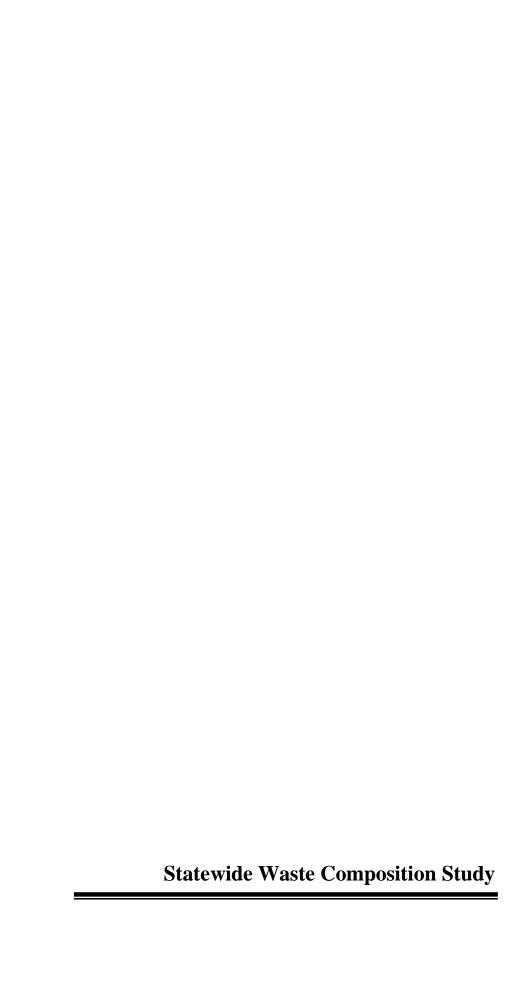
Adjusted Fulton County Estimate of the Current Composition of Discarded Municipal Waste Stream by Material Available for Recovery Based on EPA National Study

	Material Categories	Tons Disposed	Mean Composition
Paper		584	14.0%
Plastic		792	19.0%
Glass		208	5.0%
Metals		375	9.0%
Organics		2,042	49.0%
	Yard Trimmings	333	8.0%
	Wood	333	8.0%
	Food Waste	917	22.0%
	Rubber,leather and textiles	458	11.0%
Inorganics		167	4.0%
	Total	4,168	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.





		Material Categories	Tons Disposed	Mean Composition
Paper			9,903	28.1%
		Corrugated Cardboard	2,855	8.1%
		Newspaper	247	0.7%
		Office/High Grade Paper	176	0.5%
		Magazines/Catalogs	247	0.7%
		Aseptic Boxes and Gable Top Cartons	176	0.5%
		Mixed Recyclables	2,044	5.8%
		Compostable Paper	2,537 1,621	7.2%
Plastic	→ °	Non-recyclable Paper	7,648	
Plastic	1	#1 PET Bottles and Jars	493	1.4%
		#1 PET Non-Bottles & Containers	106	0.3%
		#2 HDPE Natural Bottles	141	0.4%
		#2 HDPE Colored Bottles	106	0.3%
		#3-#7 Bottles	35	0.1%
	6	#2-#7 Non-Bottle Rigid Containers	458	1.3%
		Expanded Polystyrene	458	
		Clean Retail Plastic Bags	35	0.1%
		Industrial Film	1,374	3.9%
	10	All Other Film	2,291	6.5%
	11	Durable/Bulky Rigid Plastics	987	2.8%
	12	Remainder/Compostable Plastics	1,163	3.3%
Glass			846	2.4%
	1	Clear Glass	317	0.9%
	2	Green Glass	106	0.3%
	3	Brown Glass	141	0.4%
	4	Non-recyclable Glass	282	0.8%
Metals			1,057	3.0%
		Steel Cans	317	0.9%
		Aluminum Cans	176	0.5%
		Other Aluminum	106	0.3%
		Other Ferrous Metals	317	0.9%
	5	Other Non-Ferrous	141	0.4%
Organics	<u> </u>	5 - 1 W - 1	12,758	36.2%
		Food Waste	5,251	14.9%
		Yard Waste - Grass Yard Waste - Other	282	0.8%
		Wood - Unpainted	1,304	3.7%
		Wood - Painted	811	2.3%
		Textiles and Leather Products	952	2.7%
		Diapers and Sanitary Products	1,128	3.2%
		Animal By-Products	1,022	
		Fines	282	0.8%
		Other organics	952	
Inorganics		<u> </u>	3,031	
· ·	1	Electronics - Covered Devices	0	0.0%
	2	Other Electronics	141	0.4%
	3	Carpet and Carpet Padding	282	0.8%
	4	Drywall/Gypsum Board	141	0.4%
	5	Concrete,Rock and Brick	35	0.1%
	6	Asphalt Roofing	0	0.0%
	7	Asphalt Paving	0	0.0%
	8	Other C&D	388	1.1%
	9	Medically-Related Wastes	70	0.2%
		Lithium Batteries	0	
		Automotive Batteries	35	
		Other Batteries	35	
		Other HHW	458	
		Bulky Materials	1,093	
		Furniture	282	3.1%
		Other Organics	70	
	17	PPE	70	
	- 1	Total	35,242	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.

		Material Categories	Tons Disposed	Mean Composition
Paper			7,794	·
	1	Corrugated Cardboard	2,247	8.1%
		Newspaper	194	0.7%
		Office/High Grade Paper	139	0.5%
		Magazines/Catalogs	194	
		Aseptic Boxes and Gable Top Cartons	139	0.5%
		Mixed Recyclables	1,609	5.8%
		Compostable Paper	1,997	7.2%
Di	8	Non-recyclable Paper	1,276	
Plastic	1	#1 PET Bottles and Jars	6,019	21.7%
		#1 PET Non-Bottles & Containers	83	0.3%
		#2 HDPE Natural Bottles	111	0.4%
		#2 HDPE Colored Bottles	83	0.3%
	-	#3-#7 Bottles	28	0.1%
	6	#2-#7 Non-Bottle Rigid Containers	361	1.3%
		Expanded Polystyrene	361	1.3%
	8	Clean Retail Plastic Bags	28	0.1%
	9	Industrial Film	1,082	3.9%
	10	All Other Film	1,803	6.5%
	11	Durable/Bulky Rigid Plastics	777	2.8%
	12	Remainder/Compostable Plastics	915	3.3%
Glass			666	
		Clear Glass	250	
		Green Glass	83	
		Brown Glass	111	0.4%
	4	Non-recyclable Glass	222	0.8%
Metals	<u> </u>	Charl Cana	832	3.0%
		Steel Cans Aluminum Cans	250 139	0.9%
		Other Aluminum	83	
	-	Other Ferrous Metals	250	
		Other Non-Ferrous	111	0.4%
Organics		outer tront careas	10,040	36.2%
-	1	Food Waste	4,133	14.9%
	2	Yard Waste - Grass	222	0.8%
	3	Yard Waste - Other	610	2.2%
	4	Wood - Unpainted	1,026	3.7%
	5	Wood - Painted	638	2.3%
	6	Textiles and Leather Products	749	2.7%
		Diapers and Sanitary Products	888	
		Animal By-Products	804	
		Fines	222	
	10	Other organics	749	
Inorganics	1	Electronics - Covered Devices	2,385	
		Other Electronics	111	
		Carpet and Carpet Padding	222	
		Drywall/Gypsum Board	111	0.8%
		Concrete,Rock and Brick	28	
		Asphalt Roofing	0	
		Asphalt Paving	0	
		Other C&D	305	
	9	Medically-Related Wastes	55	0.2%
	10	Lithium Batteries	0	0.0%
	11	Automotive Batteries	28	0.0%
	12	Other Batteries	28	0.1%
		Other HHW	361	
		Bulky Materials	860	
		Furniture	222	
		Other Organics	55	
	17	PPE	55	
l		Total	27,736	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.



Huntingdon County Estimate of the Current Composition of Discarded Municipal Waste Stream by Material Available for Recovery Based on EPA National Study

	Material Categories	Tons Disposed	Mean Composition
Paper		4,934	14.0%
Plastic		6,696	19.0%
Glass		1,762	5.0%
Metals		3,172	9.0%
Organics		17,269	49.0%
Plastic Glass Metals Organics	Yard Trimmings	2,819	8.0%
	Wood	2,819	8.0%
	Food Waste	7,753	22.0%
	Rubber,leather and textiles	3,877	11.0%
Inorganics		1,410	4.0%
	Total	35,242	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.

Adjusted Huntingdon County Estimate of the Current Composition of Discarded Municipal Waste Stream by Material Available for Recovery Based on EPA National Study

	Material Categories	Tons Disposed	Mean Composition
Paper		3,883	14.0%
Plastic		5,270	19.0%
Glass		1,387	5.0%
Metals		2,496	9.0%
Organics		13,591	49.0%
0.8063	Yard Trimmings	2,219	8.0%
	Wood	2,219	8.0%
	Food Waste	6,102	22.0%
	Rubber,leather and textiles	3,051	11.0%
Inorganics		1,109	4.0%
	Total	27,736	100%

Note: Tonnage totals are from 2022.

Tonnage totals represent estimated amount of material in the waste stream for the respective 2022 calendar year.



Waste Reduction Model (WARM) -- Inputs

Use this worksheet to describe the baseline and alternative waste management scenarios that you want to compare. The blue shaded areas indicate where you need to enter information Please enter data in short tons (1 short ton = 2,000 lbs.)

Describe the baseline generation and management for the waste materials listed below. If
the material is not generated in your community or you do not want to analyze it, leave
it blank or enter 0. Make sure that the total quantity generated equals the total quantity managed.

Describe the alternative management scenario for the waste materials generated in the baseline. Any decrease in generation should be entered in the Source Reduction column. Any increase in generation should be entered in the Source Reduction column as a negative value. Make sure that the total quantity generated equals the total quantity managed.

								wake sure that	tne total quantit	y generated equ	iais trie totai qua	inuty managed.	T	1
Material Type	Material	Tons Recycled	Tons Landfilled	Tons Combusted	Tons Composted	Tons Anaerobically Digested	Tons Generated	Tons Source Reduced	Tons Recycled	Tons Landfilled	Tons Combusted	Tons Composted	Tons Anaerobically Digested	
wateriai i ype	Corrugated Containers	Recycleu	Landinieu	Combusted	NA	NA	0.00	Reduced	Recycleu	Lanumeu	Combusted	NA	NA	
	Magazines/Third-class Mail				NA NA	NA NA	0.00					NA NA	NA.	
	Newspaper				NA NA	NA NA	0.00					NA NA	NA.	
	Office Paper				NA NA	NA NA	0.00					NA NA	NA NA	
Paper					NA NA	NA NA	0.00					NA NA	NA NA	
i apci	Phonebooks													
	Textbooks				NA	NA NA	0.00					NA	NA NA	
	Mixed Paper (general)				NA		0.00					NA		
	Mixed Paper (primarily residential)		40.60		NA	NA	40.60		40.60			NA	NA	
	Mixed Paper (primarily from offices)		4,912.69		NA	NA	 4,912.69		4,912.69			NA	NA	
	Food Waste	NA					0.00		NA					
	Food Waste (non-meat)	NA					0.00		NA					
	Food Waste (meat only)	NA					0.00		NA					
	Beef	NA					0.00		NA					
Food Waste	Poultry	NA					0.00		NA					
	Grains	NA					0.00		NA					
	Bread	NA					0.00		NA					
	Fruits and Vegetables	NA					0.00		NA					
	Dairy Products	NA					0.00		NA					
	Yard Trimmings	NA					0.00	NA	NA					
Yard Trimmings	Grass	NA					0.00	NA	NA					
raid iiiiiiiiigo	Leaves	NA					0.00	NA	NA					
	Branches	NA					0.00	NA	NA					
	HDPE		330.72		NA	NA	330.72		330.72			NA	NA	
	LDPE	NA			NA	NA	0.00		NA			NA	NA	
	PET				NA	NA	0.00					NA	NA	
Mixed Plastics	LLDPE	NA			NA	NA	0.00		NA			NA	NA	
Wilhou F Idolioo	PP				NA	NA	0.00					NA	NA	
	PS	NA			NA	NA	0.00		NA			NA	NA	
	PVC	NA			NA	NA	0.00		NA			NA	NA	
	Mixed Plastics				NA	NA	0.00					NA	NA	
Bioplastics	PLA	NA				NA	0.00		NA				NA	
	Desktop CPUs				NA	NA	0.00					NA	NA	1
	Portable Electronic Devices				NA	NA	0.00					NA	NA	1
Et alamata a	Flat-Panel Displays				NA	NA	0.00					NA	NA	
Electronics	CRT Displays				NA	NA	0.00	NA				NA	NA	
	Electronic Peripherals				NA	NA	0.00					NA	NA	
	Hard-Copy Devices				NA	NA	0.00					NA	NA	
	Mixed Electronics				NA	NA	0.00					NA	NA	
	Aluminum Cans				NA	NA	0.00					NA	NA	
Metals	Aluminum Ingot				NA	NA	0.00					NA	NA	
wetais	Steel Cans				NA	NA NA	0.00					NA NA	NA NA	
	Copper Wire Mixed Metals		2,424.83		NA NA		0.00		2,424.83			NA	NA NA	
Glass			2,424.63		NA NA	NA NA	2,424.83					NA NA	NA NA	
Giass	Glass Asphalt Concrete		0.01	NA	NA NA	NA NA	0.01		0.01		NA	NA NA	NA NA	
	Asphalt Shingles			INA	NA NA	NA NA	0.00				INA	NA NA	NA NA	
	Carpet				NA NA	NA NA	0.00					NA NA	NA NA	
	Clav Bricks	NA		NA	NA NA	NA NA	0.00		NA		NA	NA NA	NA NA	
	Concrete	INA		NA NA	NA NA	NA I	0.00	NA	INA		NA NA	NA NA	NA NA	
	Dimensional Lumber*			1973	NA NA	NA NA	0.00	1975			1975	NA.	NA.	1
Construction	Drywall			NA	NA NA	NA NA	0.00				NA	NA NA	NA.	
Materials	Fiberglass Insulation	NA		NA NA	NA NA	NA NA	0.00		NA		NA NA	NA NA	NA NA	
	Fly Ash	INA		NA NA	NA NA	NA I	0.00	NA	INA		NA NA	NA NA	NA NA	
	Medium-density Fiberboard	NA		14/5	NA NA	NA NA	0.00	1975	NA		1975	NA NA	NA.	
	Structural Steel	14/3		NA	NA NA	NA NA	0.00		19/5		NA	NA NA	NA.	1
	Vinyl Flooring	NA		1973	NA NA	NA NA	0.00		NA		1975	NA NA	NA.	1
	Wood Flooring*	INA			NA NA	NA NA	0.00		INA			NA NA	NA NA	
Tires	Tires				NA NA	NA NA	0.00					NA NA	NA NA	
11163	Mixed Recyclables		3,221.37		NA NA	NA NA	3,221.37	NA	3,221.37			NA NA	NA NA	
Mixed Materials	Mixed Organics	NA	2,412.99		INA	INA	2,412.99	NA NA	3,221.37 NA			2,412.99	INA	
Ju matoriala	Mixed MSW	NA NA	2,412.99		NA	NA	0.00	NA NA	NA NA			2,412.99 NA	NA	1
	Please refer to the User's Guide if you nee		mpleting this table		1975	13/5	0.00	14/3	13/0			19/3	13/23	1
	*Wood Flooring and Dimensional Lumber	model reuse und	ler the recyclina m	anagement path	iway.									
			, ,	- '										_

The column labeled "tons landfilled" in the baseline scenario is the amount of material recycled by the Region in 2022, assuming this material was landfilled instead of recycled.

In the alternative management scenario, the material recycled by the Region in 2022, was accurately put in the recycled or composted column.

The difference between the baseline scenario and the alternative management scenario shows the net benefits realized through recycling and composting by the Region.

3. In order to account for the avoided electricity-related emissions in the landfilling and combustion pathways, EPA assigns the appropriate regional "marginal" electricity grid mix emission factor based on your location. Select state for which you are conducting this nailysis.

Please select state or select national average: Pennsylvania

Region Location: Middle Atlantic

4. To estimate the benefits from source reduction, EPA usually assumes that the material that is source reduced would have been manufactured from the current mix of virgin and recycled inputs.

However, you may choose to estimate the emission reductions from source reduction under the assumption that the material would have been manufactured from 100% virgin inputs in order to obtain an upper bound estimate of the benefits from source reduction. Select which assumption you want to use in the analysis. Note that for materials for which information on the share of recycled inputs used in production is unavailable or is not a common practice; EPA assumes that the current mix is comprised of 100% virgin inputs. Consequently, the source reduction benefits of both the "Current mix" and "100% virgin" inputs are the same.



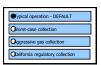
5. The emissions from landfilling depends on whether the landfill where your waste is disposed has a landfill gas (LFG) control system. If you do not know whether your landfill has LFG control, select "National Average" to calculate emissions based on the estimated proportions of landfills with LFG control in 2012 and proceed to question 7. If your landfill does not have a LFG system, select "No LFG Recovery" and proceed to question 8. If a LFG system is in place at your landfill, select "LFG Recovery" and click one of the options in 6 at to indicate whether LFG is recovered for energy or flared.



6a. If your landfill has gas recovery, does it recover the methane for energy or flare it?



6b. For landfills that recover gas, the landfill gas collection efficiency will vary throughout the life of the landfill. Based on a literature review of field measurements and expert discussion, a range of collection efficiencies was estimated for a series of different landfill scenarios. The "typical" landfill is an approximation of reality. The worst-case collection scenario represents a landfill that a large with EPA's New Source Performance Standards (NSPS). The aggressive gas collection scenario includes landfills where the operator is aggressive in gas collection relative to a typical landfill. Bioreactor landfills, which are operated to accelerate decomposition, are assumed to collect gas aggressively. The California regulatory collection scenario allows users to estimate and view landfill management results based on California regulatory collection scenario includes.



Landfill gas collection efficiency (%) assumptions
Years 0-1: 0%; Years 2-14: 50%; Years 5-14: 75%; Years 15 to 1 year before final cover: 82.5%; Final cover: 90%
Worst-case
Aggressive
Aggressive
Year 0: 0%; Years 0-2: 50%; Years 3-14: 75%; Years 15 to 1 year before final cover: 82.5%; Final cover: 90%
Year 0: 0%; Years 0.5-2: 50%; Years 3-14: 75%; Years 15 to 1 year before final cover: 82.5%; Final cover: 90%
Year 0: 0%; Year 1: 50%; Years 2-7: 80%; Years 8 to 1 year before final cover: 85%; Final cover: 90%

7. Which of the following moisture conditions and associated bulk MSW decay rate (k) most accurately describes the average conditions at the landfill? The decay rates, also referred to as k values, describe the rate of change per year (yr-1) for the decomposition of organic waste in landfills. A higher average decay rate means that waste decomposes faster in the landfill.



Moisture condition assumptions Less than 20 inches of precipitation per year Dry (k=0.02) Moderate (k=0.04) Between 20 and 40 inches of precipitation per year Wet (k=0.06)

Greater than 40 inches of precipitation per year
Water is added until the moisture content reaches 40 percent moisture on a wet weight basis Bioreactor (k=0.12)

National average Weighted average based on the share of waste received at each landfill type

8a. For anaerobic digestion of food waste materials (including beef, poultry, grains, bread, fruits and vegetables, and dairy products), please choose the appropriate type of anaerobic digestion process used.

Note that for grass, leaves, branches, yard trimmings and mixed organics, wet digestion is not applicable based on current technology and practices in the United States. Therefore, dry digestion is the only digestion type modeled at a time in WARM or these materials.

Only one type of digestion process (wet or dry) can be modeled at a time in WARM.



8b. WARM assumes that digestate resulting from anaerobic digestion processes will be applied to land. In many cases, the digestate is cured before land application.

When digestate is cured, the digestate is dewatered and any liquids are recovered and returned to the reactor (when using a wet digester). Next, the digestate is aerobically cured in turned windrows, then screened and applied to agricultural fields. Select whether the digestate resulting from your anaerobic digester is cured before land application.



9a. Emissions that occur during transport of materials to the management facility are included in this model. You may use default transport distances, indicated in the table below, or provide information on the transport distances for the various MSW management options.



9b. If you have chosen to provide information, please fill in the table below. Distances should be from the curb to the landfill, combustor, or material recovery facility (MRF). *Please note that if you chose to provide information, you must provide distances for both the baseline and the alternative scenarios.

Management Option	Default Distance (Miles)	Distance (Miles)
Landfill	20	
Combustion	20	
Recycling	20	
Composting	20	
Anaerobic Digestion	20	

10. If you wish to personalize your results report, input your name & organization, and also specify the project period corresponding to the data you entered above.

Name		SCCSWA 2022 Recycling Data							
Organization		Barton & Loguidi	ce						
Project Period	From	01/01/22	to	12/31/22					

Congratulations! You have finished all the inputs.

A summary of your results awaits you on the sheet(s) titled "Summary Report."

For more detailed analyses of results, see the sheet(s) titled "Analysis Results."

Energy Analysis -- Summary Report

Version 16
Energy Waste Management Analysis for Barton & Loguidice
Prepared by: SCCSWA 2022 Recycling Data
Project Period for this Analysis: 01/01/22 to 12/31/22

Note: If you wish to save these results, rename this file (e.g., WARM-MN1) and save it. Then the "Analysis Inputs" sheet of the "WARM" file will be blank when you are ready to make another model run.

Energy Use from Baseline Waste Management (million BTU):

(12.57) Energy Use from Alternative Waste Management Scenario (million BTU):

(326,353.11)

Material	Tons Recycled*	Tons Landfilled	Tons Combusted	Tons Composted	Tons Anaerobically Digested	Total Million BTU	Material	Tons Source Reduced		Tons Landfilled	Tons Combusted	Composted	Tons Anaerobically Digested	Total Million BTU	(Alt - Base) Million BTU
Mixed Paper (primarily residential)		40.60	-	NA.			Mixed Paper (primarily residential)	-	40.60			NA.		(834.90)	(828.
Mixed Paper (primarily from offices)	-	4,912.69	-	NA.		(722.12)	Mixed Paper (primarily from offices)		4,912.69	-		NA.	NA.	(102,430.98)	(101,708.
HDPE Mixed Metals		330.72 2,424.83		NA NA	NA NA	88.72 650.52	HDPE Mixed Metals	-	330.72 2,424.83	-		NA NA	NA NA	(14,809.05) (161,372.13)	(14,897.)
Glass	-	2,424.83	-	NA NA		0.00	Glass	-	2,424.83			NA NA	NA NA	(0.02)	(162,022.1
Mixed Recyclables	-	3,221.37		NA NA		(172.80)	Mixed Recyclables	NA.		- :		NA.	NA NA	(48,128.95)	(47,956.
Mixed Organics	NA.	2,412.99	-	-	-	149.40	Mixed Organics	NA.	NA NA		-	2,412.99	-	1,222.93	1,073.
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Note: a negative value (i.e., a value in parentheses) indicates a reduction in energy consumption; a positive value indicates an

*Wood Flooring and Dimensional Lumber model reuse under the recycling management pathway. a) For explanation of methodology, see the EPA WARM Documentation:

Documentation Chapters for Greenhouse Gas Emission and Energy Factors Used in the Waste Reduction Model (WARM) — available on the Internet at https://www.epa.gov/warm/documentation-chapters-greenhouse-gas-emission-and-energy-factors-used-waste-eduction-model

b) Energy estimates provided by this model are intended to support voluntary energy measurement and reporting initiatives.

Total Change in Energy Use (million BTU):

(326,340.55)

This is equivalent to		
Conserving	3,562	Households' Annual Energy Consumption
Conserving	56,169	Barrels of Oil
Conserving	2,709,291	Gallons of Gasoline

GHG Emissions Analysis -- Summary Report

Vestion 16
GME Emissions Waste Management Analysis for Barton & Loguidice
Prepared by: SCCSWA 2022 Recycling Data
Project Period for this Analysis: 01/01/22 to 12/31/22
Note: I you with to save these sensits, rename this file (e.g., WARMANI) and save 8. Then the "Analysis legals" sheet of the "WARM" file will be blank when
you are ready to make another model run.

GHG Emissions from Baseline Waste Management (MTCO₂E):

1,106.00 GHG Emissions from Alternative Waste Management Scenario (MTCO₂E):

(37,965.65)

Material	Tons Recycled*	Tons Landfilled	Tons Combusted	Tons Composted	Tons Anaerobically Digested	Total MTCO ₂ E	Material
Mixed Paper (primarily residential)		40.60		NA.	NA.	0.61	Mixed Paper (primarily residential)
Mixed Paper (primarily from offices)		4,912.69		NA.	NA.	558.02	Mixed Paper (primarily from offices)
HDPE		330.72	-	NA.	NA.	6.70	HDPE
Mixed Metals		2,424.83		NA.	NA.	49.11	Mixed Metals
Glass	-	0.01	-	NA.	NA.	0.00	Glass
Mixed Recyclables		3,221.37		NA.	NA.	110.13	Mixed Recyclables
Mixed Organics	NA.	2,412.99	-	-		381.43	Mixed Organics
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	Tons Source				Tons Tons Anaerobically			(Alt - Base)
Material	Reduced	Tons Recycled*	Tons Landfilled	Tons Combusted	Composted	Digested	Total MTCO₂E	MTCO ₂ E
Mixed Paper (primarily residential)		40.60			NA.	NA.	(143.95)	(144.56)
Mixed Paper (primarily from offices)	-	4,912.69			NA NA	NA NA	(17,585.48)	(18,143.50)
HDPE		330.72			NA.	NA.	(250.83)	(257.53)
Mixed Metals	- :	2,424.83			NA NA	NA NA	(10,647.82)	(10,696.93)
Glass		0.01			NA.	NA NA	(0.00)	(0.00)
Mixed Recyclables	NA.	3,221.37			NA NA	NA NA	(9,022.90)	(9,133.02)
Mixed Organics	NA NA	3,221.37 NA			2,412.99	-	(314.67)	(696.10)
Mixed Organics	NA.	NA.			2,412.99		(314.07)	0.00
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Note: a negative value (i.e., a value in parentheses) indicates an emission reduction; a positive value indicates an emission increase.

*Wood Flooring and Dimensional Lumber model reuse under the recycling management pathway.

a) For explanation of methodology, see the EPA WARM Documentation:

Documentation Chapters for Greenhouse Gas Emission and Energy Factors Used in the Waste Reduction Model (WARM)

AMODEL LYMAROW]

— available on the Internet at https://www.epa.gov/warm/documentation-chapters-greenhouse-gas-emission-and-energy-factors-used-waster-eduction-model

b) Emissions estimates provided by this model are intended to support voluntary GHG measurement and reporting initiatives.

c) The GHG emissions results estimated in WARM indicate the full life-cycle benefits waste management C) rise of vide funisacione it fessula estimated in extra funishment of the visit of the fundamental attendatives. Due to the limiting it fessula estimated to the visit of th through time.

Total Change in GHG Emissions (MTCO₂E):

(39,071.65)

This is equivalent to Removing annual emissions		
from	8,295	Passenger Vehicles
Conserving	4,396,495	Gallons of Gasoline
Conserving	1,627,985	Cylinders of Propane Used for Home Barbeques
	0.00219%	Annual CO ₂ emissions from the U.S. transportation sector
	0.00216%	Annual CO ₂ emissions from the U.S. electricity sector