

Board of Directors Meeting April 19, 2024

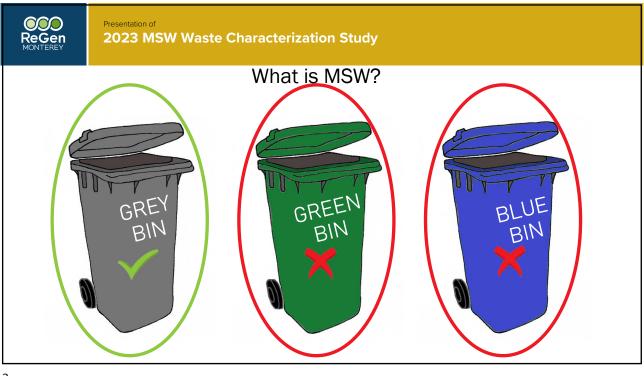
2023 MSW Waste Characterization Study

Presented by David Ramirez, P.E. Director of Engineering and Compliance ReGen Monterey

Prepared by

Caty O'Connor, P.E. Assistant Engineer ReGen Monterey







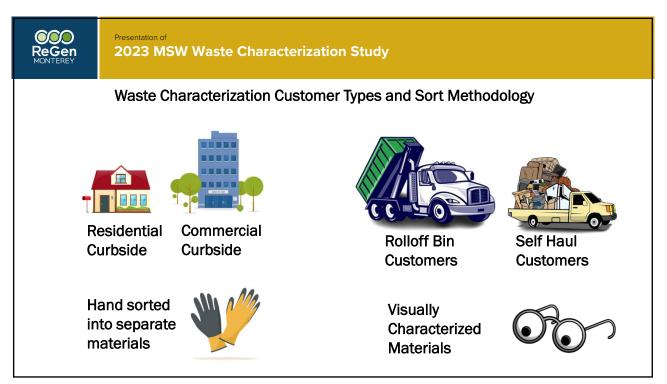












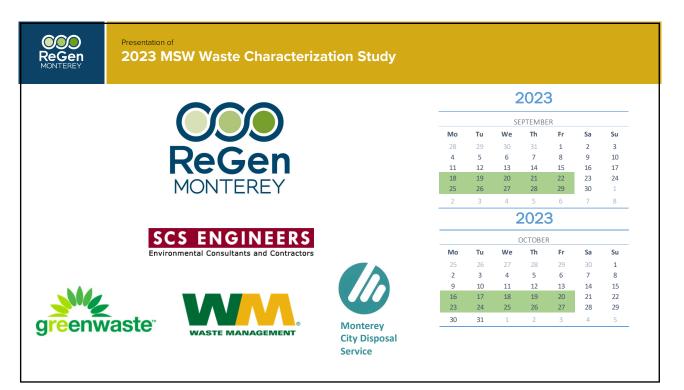


Presentation of 2023 MSW Waste Characterization Study

How is the Data Used?

- · Inform infrastructure planning
- Inform community outreach needs
- Provide 2023 snapshot of solid waste disposal behavior to, in part, monitor SB1383 implementation and adoption progress

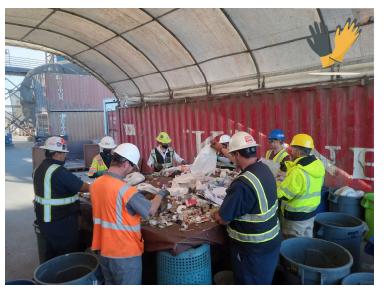
Resi	dentia	al V	Was	ste Characteriz	atior		
Material Components	Composition	+/-	Annual Tons	Material Components	Composition	+/-	Annual Toris
PAPER	8.9%	0.5%	3,192	ORGANICS	33.1%	1.6%	11,949
Uncoated Corrugated Cardboard	0.9%	0.2%	320	Perishable Edible Food	2.0%	0.4%	730
White Office Paper	0.4%	0.1%	130	Shelf Stable Edible Food	1.3%	0.3%	460
Mixed Paper	3.0%	0.3%	1,090	Inedible Food Scraps (NO meat or dairy)	13.7%	1.1%	4,930
Paper Board	1.5%	0.1%	550	Inedible Meat Products	1.5%	0.4%	550
ONP	0.3%	<0.1%	110	Inedible Packaged Meat Products	0.6%	0.1%	200
Aseptic Lined Containers	0.2%	<0.1%	70	Inedible Dairy Products	<0.1%	<0.1%	9
Plastic Lined Paper	2.4%	0.2%	860	Inedible Packaged Dairy Products	0.5%	0.1%	180
Gable-top Containers	0.2%	<0.1%	62	Raw Meat	0.8%	0.3%	300
PLASTIC	6.0%	0.3%	2,150	Hard-to-Compost Landscape	0.2%	0.2%	70
PET	0.4%	<0.1%	160	Yard Debris	2.1%	1.1%	760
PET Thermoform	1.1%	<0.1%	390	Wood Material	0.6%	0.3%	220
Natural HDPE	0.2%	<0.1%	60	Compostable Containers	0.9%	0.1%	340
Pigment HDPE	0.3%	<0.1%	90	Food Soiled Paper	8.0%	0.4%	2,880
Polypropylene #5	1.2%	<0.1%	430	Treated/Painted Wood Products	0.9%	0.2%	320
Mixed Plastic #3,4,6,7	0.3%	<0.1%	110	HAZARDOUS	1.1%	0.4%	409
Polystyrene	0.3%	<0.1%	110	HHW	0.3%	0.2%	110
Film Plastic	1.4%	0.1%	500	Lithium Batteries	<0.1%	<0.1%	1
Rigid Plastic	0.8%	0.1%	300	Other Batteries	<0.1%	<0.1%	28
METAL	1.9%	0.2%	690	Manufactured Products	0.7%	0.3%	270
Bi Metal	0.5%	<0.1%	180	OTHER	46.7%	1.6%	16,850
Ferrous Metal	0.4%	0.1%	150	Medical Waste	8.8%	0.9%	3,190
Aluminum	0.2%	<0.1%	90	Inerts	1.0%	0.2%	360
Aluminum Other	0.7%	<0.1%	270	Organic Textiles	0.5%	0.2%	190
GLASS	2.4%	0.3%	860	Non-Organic Textiles	3.4%	0.5%	1,240
Mixed Glass	2.4%	0.3%	860	Refuse	32.9%	1.6%	11,870
				TOTAL	100.0%		36,100
				Composition based on 93 samples.			





Presentation of 2023 MSW Waste Characterization Study



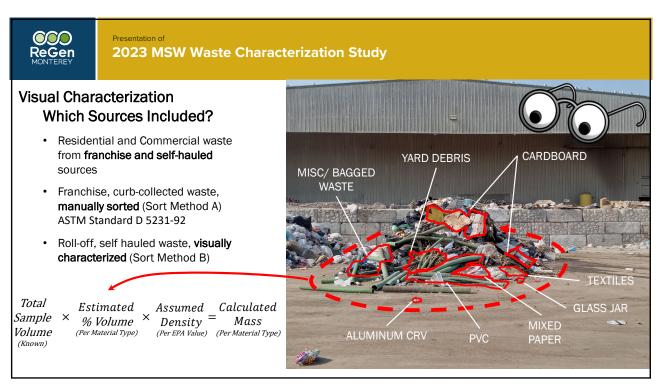






Presentation of 2023 MSW Waste Characterization Study







Presentation of

2023 MSW Waste Characterization Study

Roll-off/ Self-haul Visual Characterization

Material Components	Composition	Annual Tons	Material Components Composition		Annual Tons
PAPER	5.8%	3,290	INERTS	18.3%	10,360
Cardboard	2.4%	1,370	Concrete 3		2,080
Mixed Paper	3.4%	1,920	Brick	0.9%	490
PLASTIC	3.8%	2,170	Rock	1.7%	980
CRV Plastic	0.2%	110	Gypsum Board/Drywall	3.2%	1,790
Rigid Plastics	0.8%	470	Asphalt Roofing	6.4%	3,640
Remainder Plastics	0.9%	490	Asphalt Paving	0.1%	70
PVC Pipe or Products	0.6%	320	Soil	1.2%	690
Plastic Film	1.4%	780	Tires	<0.1%	30
METAL	3.8%	2,180	Mattresses/Box Springs	0.4%	240
CRV Aluminum	0.2%	100	Carpet/Carpet Padding	0.6%	350
Non-Ferrous Metals	2.1%	1,170	DONATABLE	0.9%	530
Ferrous Metals	1.0%	540	Furniture Donatable	0.5%	290
Rebar	<0.1%	30	Building Materials	0.3%	180
Other Metal	0.3%	160	Rec. Equipment	<0.1%	50
White Goods	0.3%	180	Other	<0.1%	10
GLASS	1.5%	840	HAZARDOUS	6.0%	3,410
Glass Containers/Jars	0.9%	500	HHW	0.1%	60
Glass Other	0.6%	340	Manufactured Products	5.9%	3,350
ORGANICS	27.1%	15,290	OTHER	32.6%	18,430
Yard Debris	8.8%	5,000	Textiles	0.5%	280
Food Scraps	2.1%	1,210	Furniture	1.0%	550
Engineered Wood	7.9%	4,480	Insulation	0.2%	120
Other Wood	1.2%	680	Medical Waste	<0.1%	40
Clean Dimensional Lumber	0.6%	340	Bulky Waste	1.0%	570
Clean Pallets and Crates	1.8%	1,020	Miscellaneous/Bagged Waste	29.9%	16,870
Treated/Painted Wood	2.9%	1,660	TOTAL		56,500
Hard-to-Compost Organics	1.6%	900	Composition based on visual characteriza	tio of 105 waste loads.	



