

**Board of Directors Meeting** April 19, 2024

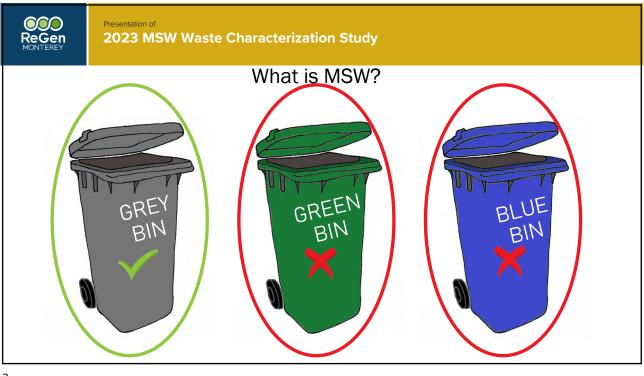
# 2023 MSW Waste Characterization Study

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

### Prepared by

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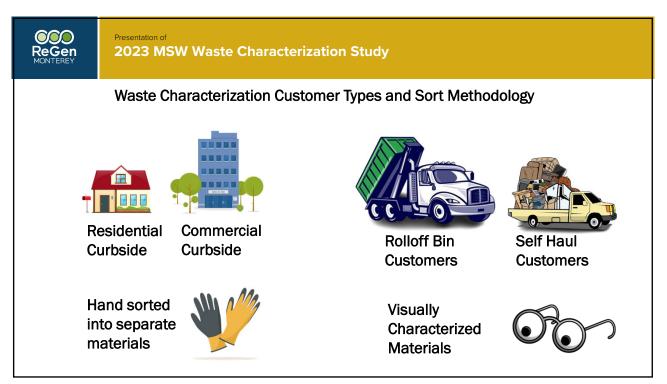












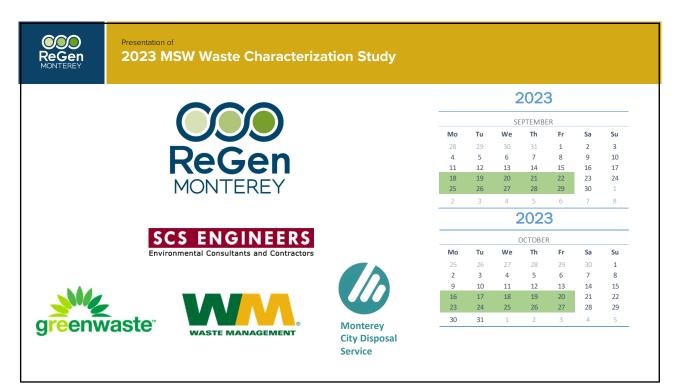


### Presentation of 2023 MSW Waste Characterization Study

### 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

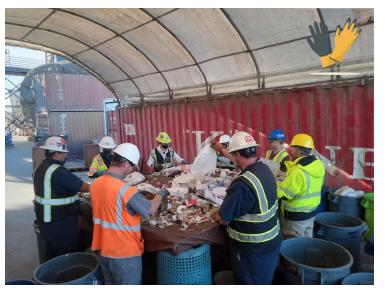
Resi	dentia	al V	Was	ste Characteriz	atior		
Material Components	Composition	+/-	Annual Tons	Material Components	Composition	+/-	Annual Toris
PAPER	8.9%	0.5%	3,192	ORGANICS	33.1%	1.6%	11,949
Uncoated Corrugated Cardboard	0.9%	0.2%	320	Perishable Edible Food	2.0%	0.4%	730
White Office Paper	0.4%	0.1%	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.			





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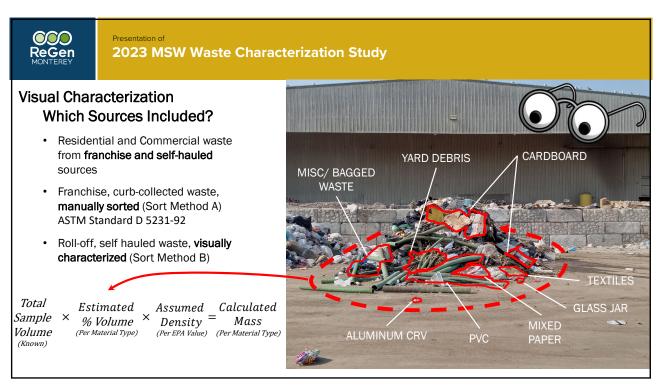






Presentation of 2023 MSW Waste Characterization Study







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.	



