



WasteXperts

A Multifamily Solution





About Us

Founded 1992,
shortly after
AB 939

Onsite recycling
and solid waste
management for
Multifamily

400 Properties and
85,000 individual
apartments
serviced

Services



Onsite Sorting



Bin Staging



Chute/Enclosure Management



Odor Solutions



Program Management



Waste Characterizations

The Food Problem

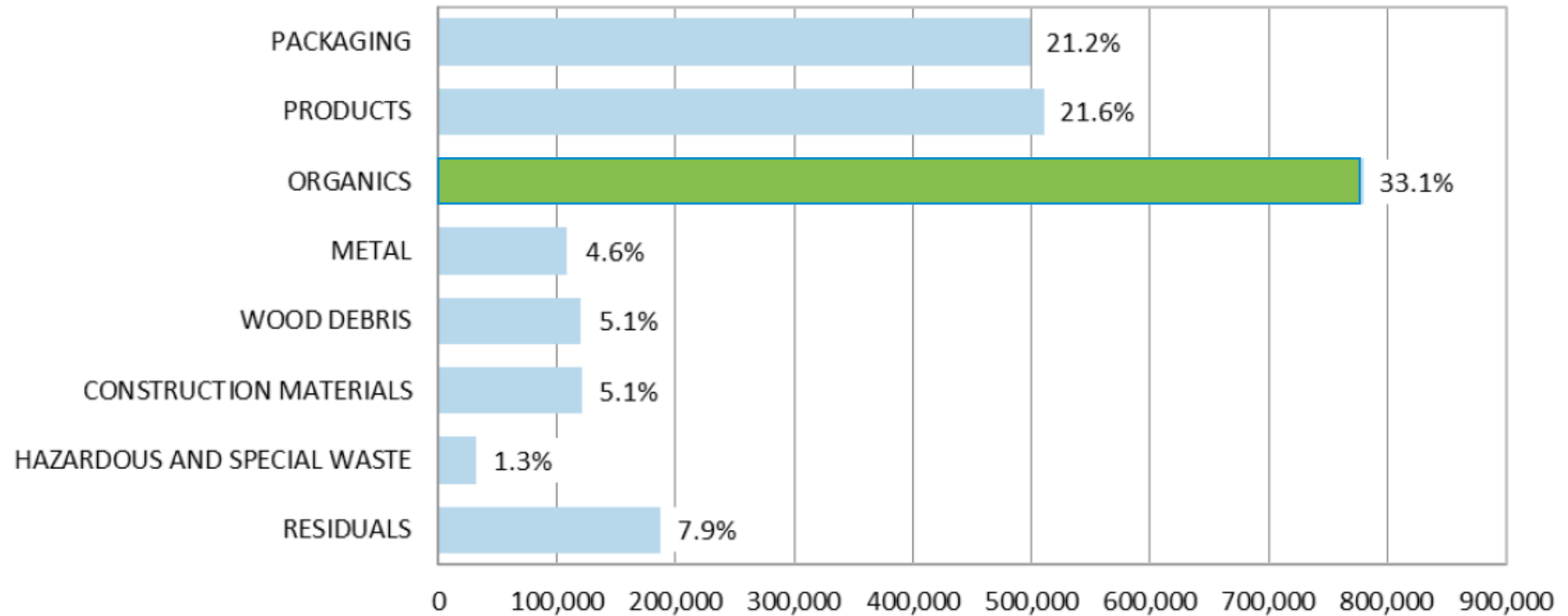


2020-2021 WASHINGTON STATEWIDE
Waste Characterization Study
State of Washington Department of Ecology

Publication 21-07-026
Published August 2021



**Figure 11: Residential Disposed Waste Sector
Packaging, Products, and Other Material Groups, 2020-2021**



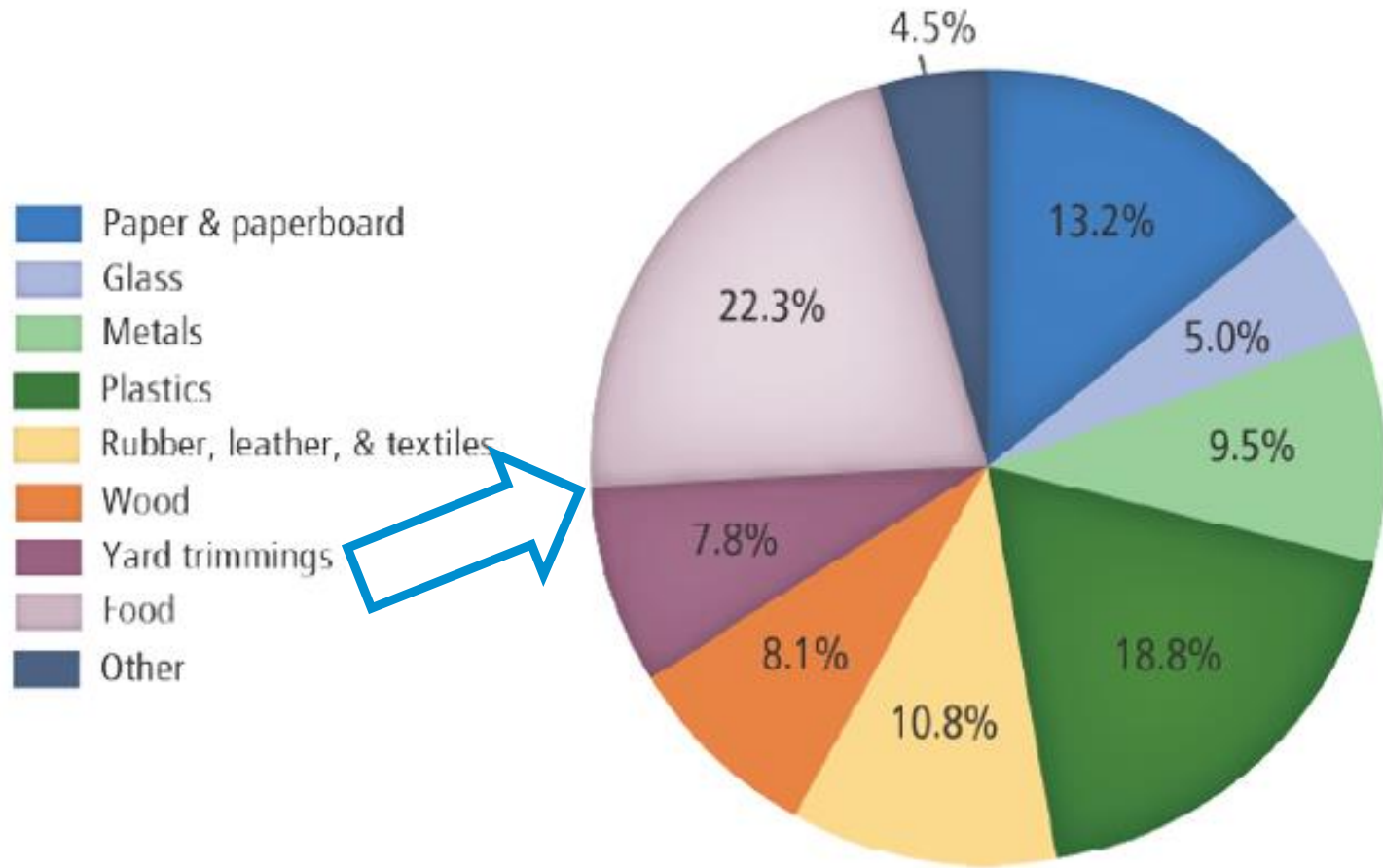


Advancing Sustainable Materials Management: 2015 Tables and Figures

Assessing Trends in Material Generation, Recycling, Composting, Combustion with Energy Recovery and Landfilling in the United States

July 2018

Landfilled (138.28 Million tons)



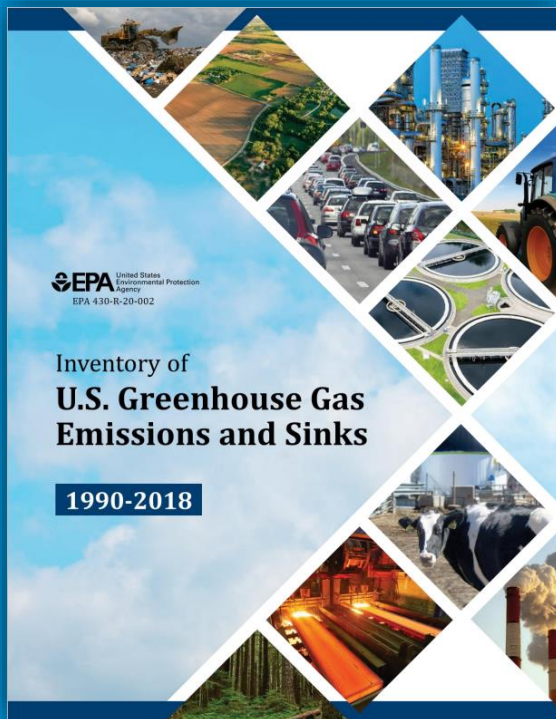
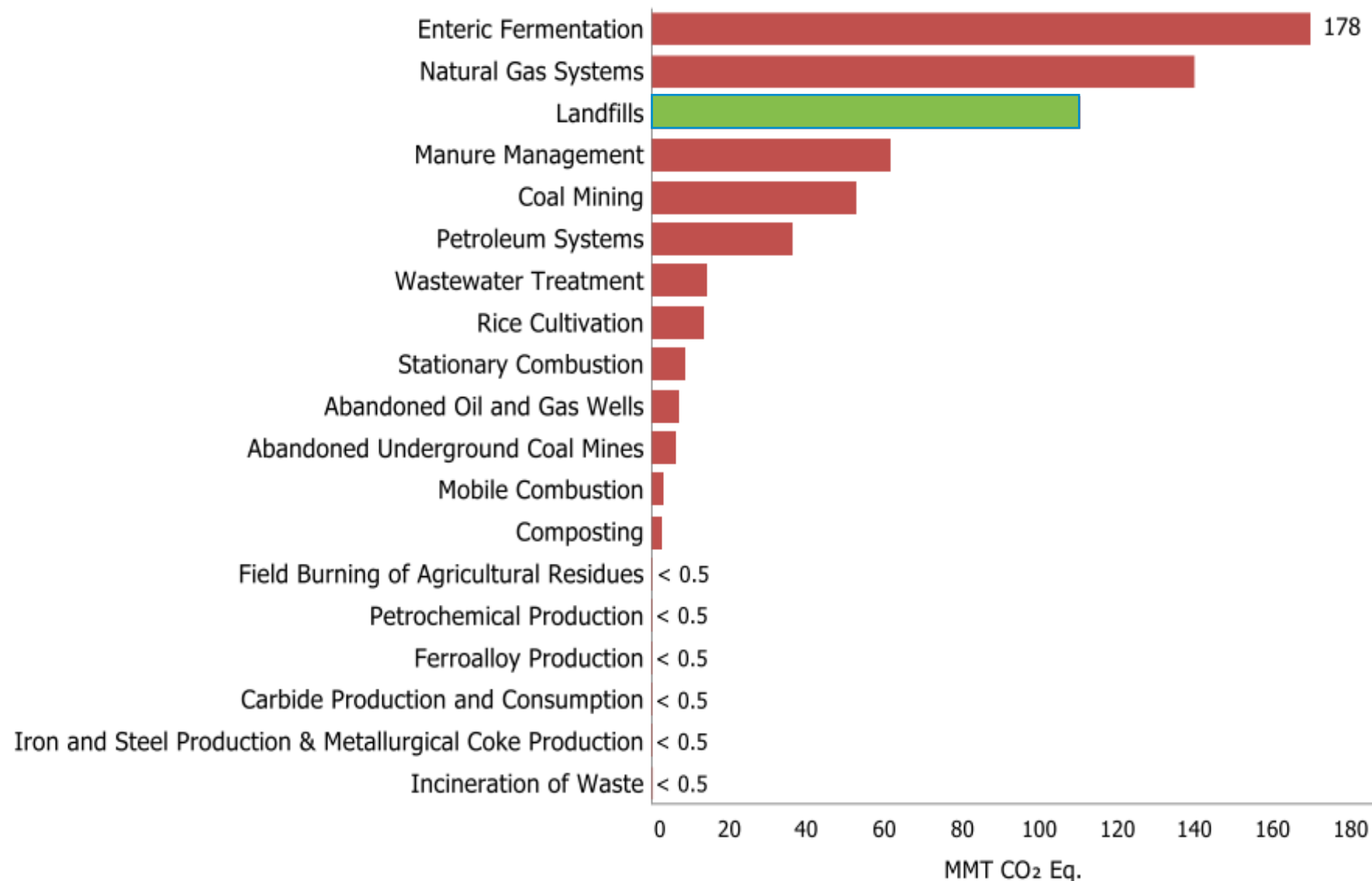
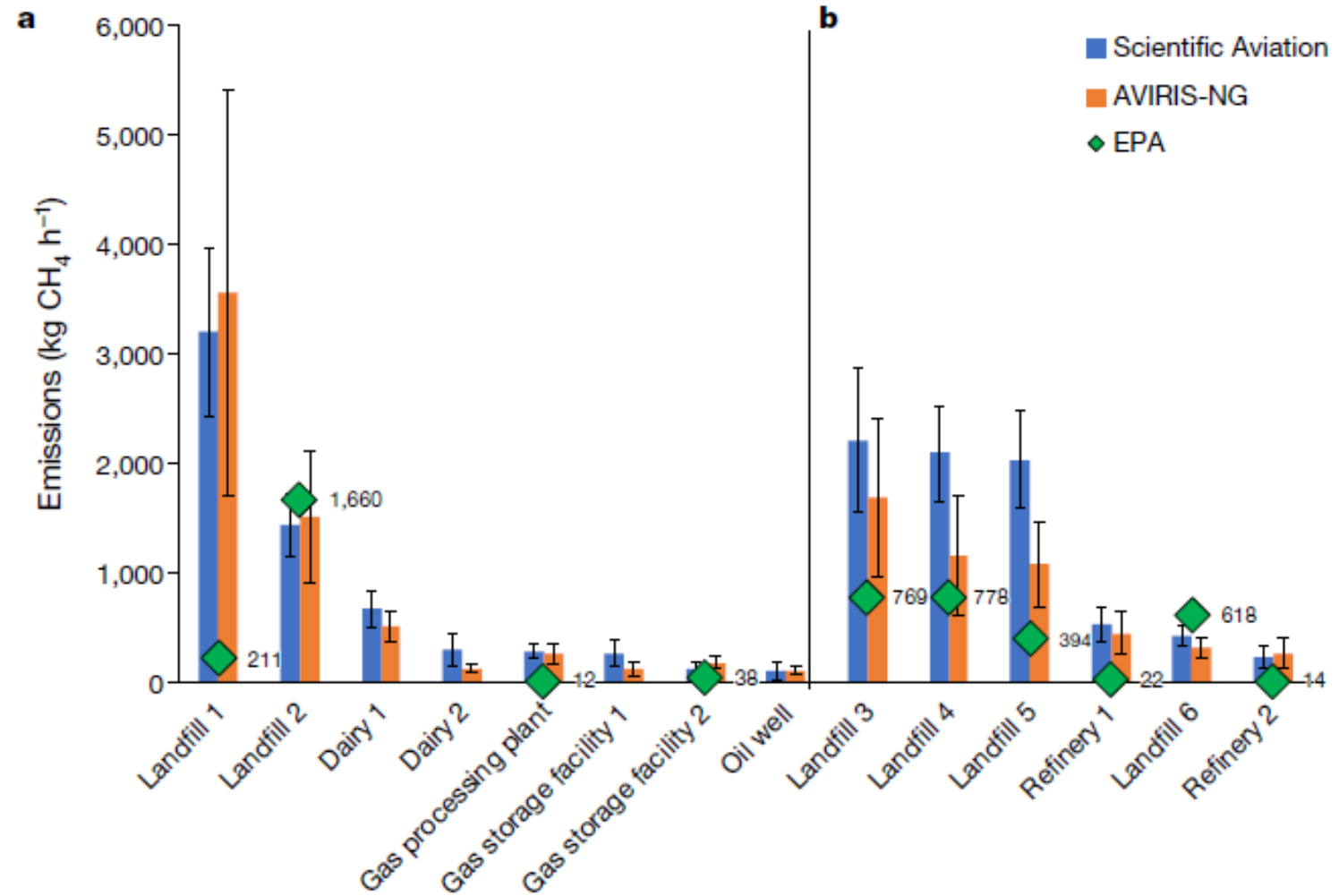


Figure ES-9: 2018 Sources of CH₄ Emissions (MMT CO₂ Eq.)



The Impact



Multifamily

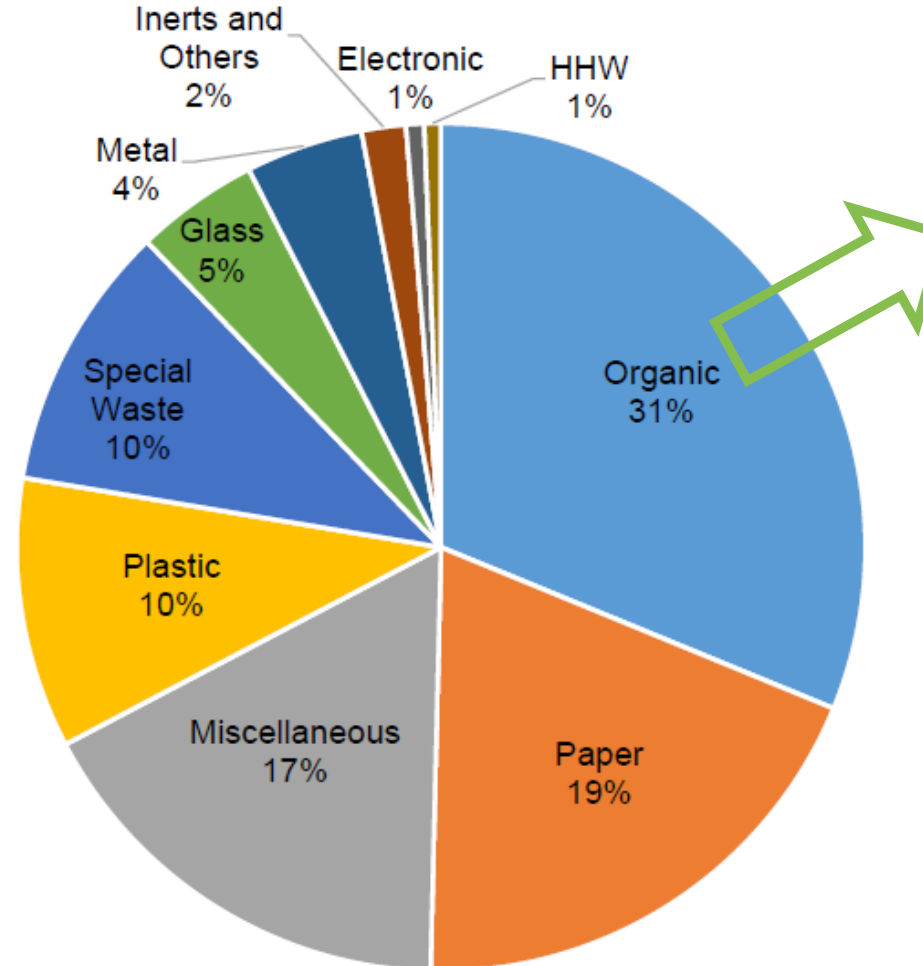
2018 Facility-Based Characterization of Solid Waste in California

May 15, 2020

Field Work Produced Under Contract by **CASCADIA CONSULTING GROUP**



California Department of Resources Recycling and Recovery



Material	Estimated Percent
Organic	31.2%
Food - Potentially Donatable - Vegetative	2.7%
Food - Potentially Donatable - Eggs, Dairy, and Dairy Alternatives	0.3%
Food - Potentially Donatable - Animal Meat	0.2%
Food - Potentially Donatable - Cooked/Baked/Prepared Perishable Items	0.6%
Food - Potentially Donatable - Packaged Non-perishable	1.0%
Food - Not Donatable - Meat	2.4%
Food - Not Donatable - Non-meat	16.2%
Food - Inedible	1.2%
Leaves and Grass	2.1%
Prunings and Trimmings	1.9%
Branches and Stumps	0.2%
Manures	0.0%
Clean Dimensional Lumber	0.0%
Clean Engineered Wood	0.1%
Clean Pallets and Crates	0.0%
Wood Waste - Treated/Painted/Stained	1.3%
Other Recyclable Wood	0.0%
Remainder/Composite Organic	1.0%

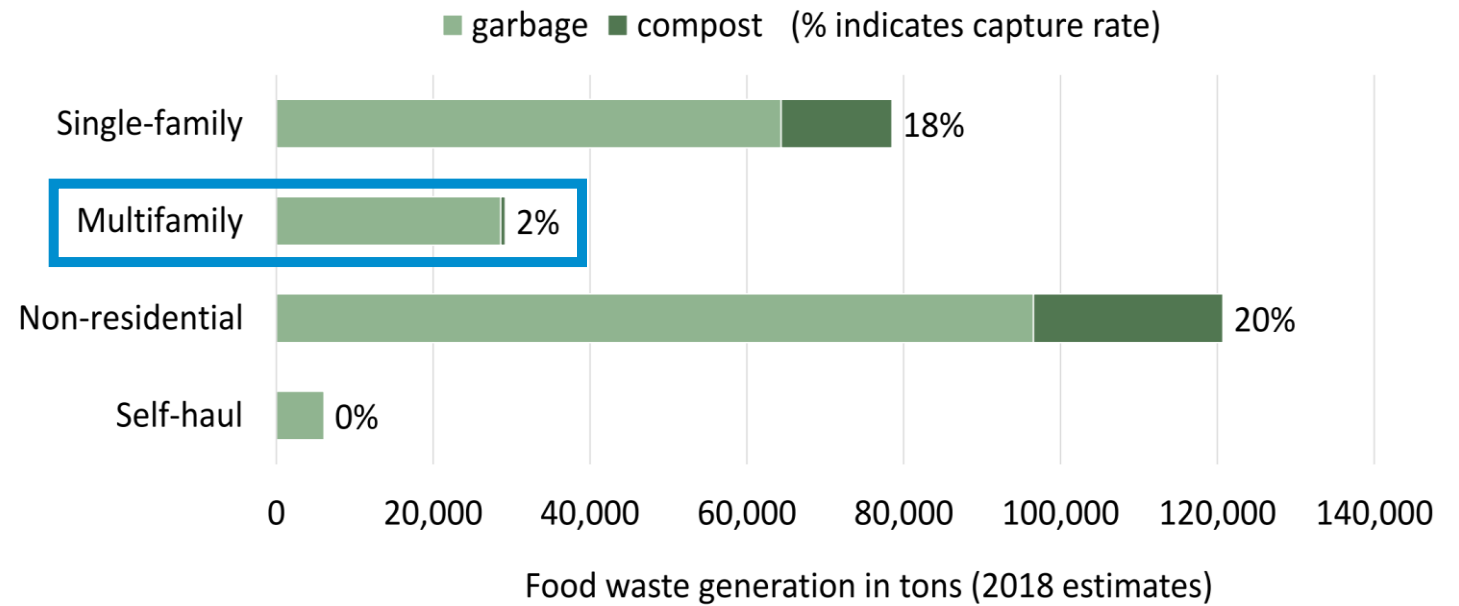
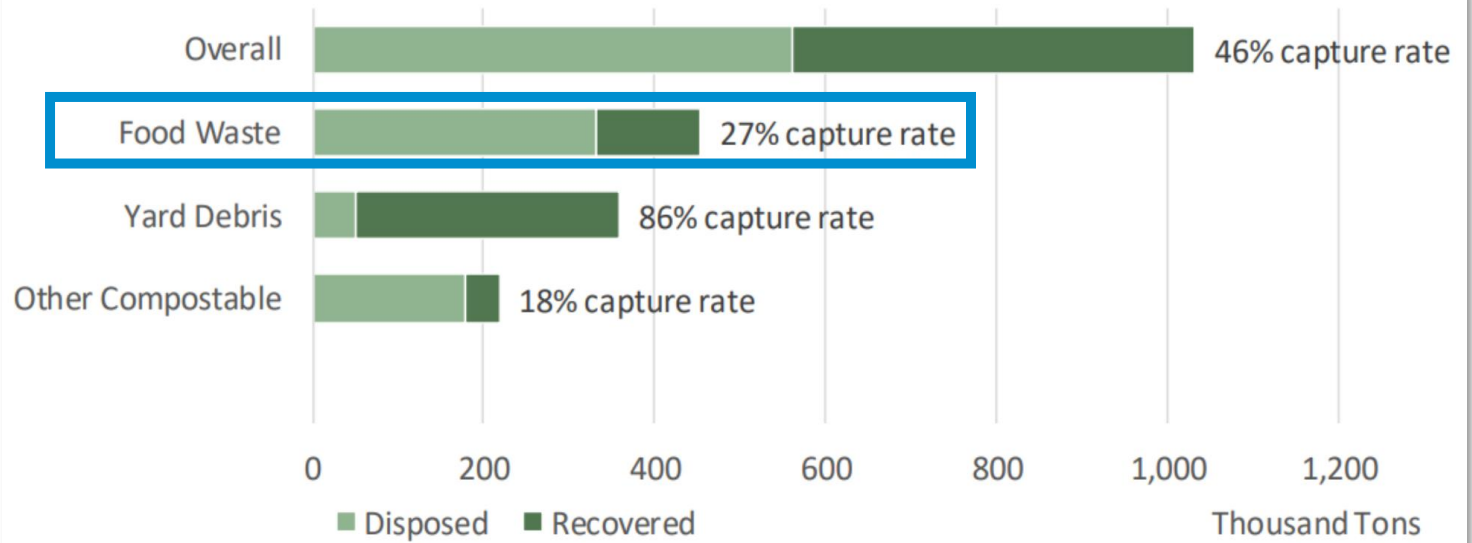


King County LinkUp

Organic Materials Management in King County



August 2019

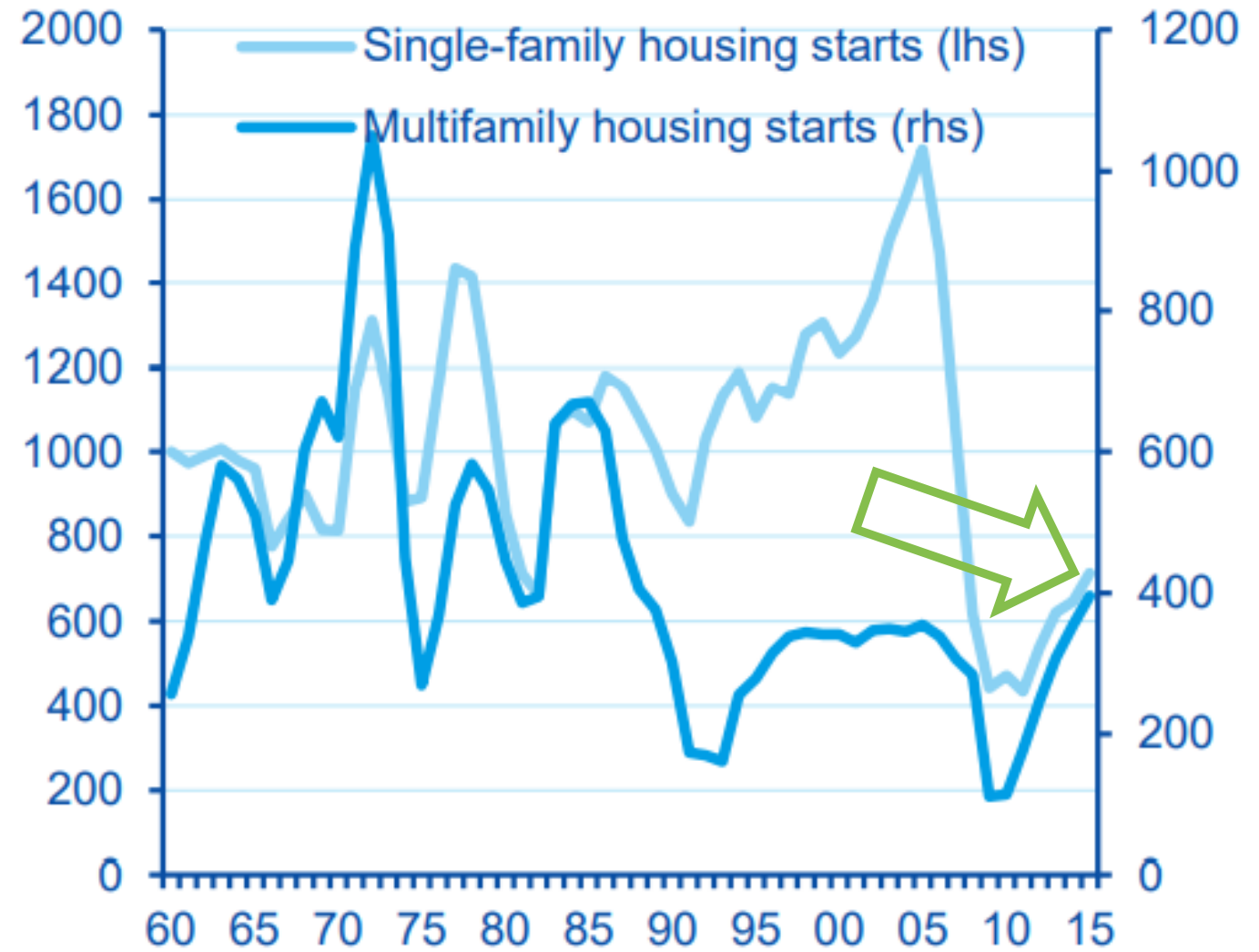


WasteXperts Green Bag Program



Multifamily
is
Growing!

Housing starts (Thousands)



Source: Census Bureau & BBVA Research

SB 1383 Reducing Short-Lived Climate Pollutants

2020

50 PERCENT REDUCTION IN LANDFILLED ORGANIC WASTE
(11.5 Million Tons Allowed Organic Waste Disposal)

2022

REGULATIONS TAKE EFFECT

2025

75 PERCENT REDUCTION IN LANDFILLED ORGANIC WASTE
(5.7 Million Tons Allowed Organic Waste Disposal)

2025

20 PERCENT INCREASE IN RECOVERY OF CURRENTLY DISPOSED EDIBLE FOOD



SB 1383 Requirements

- 18985.1 – Provide information on separation, prevention, benefits of methane reduction, environmental benefits and food donations.

- 18984.5 – Generators shall not place prohibited container contaminants in containers.

- 18984.6 – Document route reviews, evaluations and contamination notices.

- 18984.10 – Provide information to new tenants within 14 days and annually.

DRAWDOWN

THE MOST COMPREHENSIVE
PLAN EVER PROPOSED TO
REVERSE GLOBAL WARMING
EDITED BY PAUL HAWKEN



Top 10 solutions to climate change

Total gigatons of CO₂-equivalent emissions that could be reduced by 2050

SOLUTION		PLAUSIBLE SCENARIO		DRAWDOWN SCENARIO		OPTIMUM SCENARIO
Refrigerant Management	1	89.74	2	96.49	3	96.49
Wind Turbines (Onshore)	2	84.60	1	146.50	1	139.31
Reduced Food Waste	3	70.53	4	83.03	4	92.89
Plant-Rich Diet	4	66.11	5	78.65	5	87.86
Tropical Forests	5	61.23	3	89.00	2	105.60
Educating Girls	6	59.60	7	59.60	8	59.60
Family Planning	7	59.60	8	59.60	9	59.60
Solar Farms	8	36.90	6	64.60	7	60.48
Silvopasture	9	31.19	9	47.50	6	63.81
Rooftop Solar	10	24.60	10	43.10	13	40.34

Source: Project Drawdown

Vox

U.S. Waste Sector

(In millions of tons)



	Public Companies	Private Companies	Municipal	Total	% Share
Collection					
Residential Collection	7.31	8.34	7.02	22.67	
Commercial/Industrial Collection	18.91	1.98	2.34	23.23	
Total Collection	\$26.22	\$10.32	\$9.36	\$45.91	62%
Processing					
Transfer	2.14	0.58	0.76	3.48	
MRF/Recycling Operations	3.80	1.03	0.55	5.38	
Composting	0.19	0.05	0.07	0.31	
Total Processing	\$6.14	\$1.66	\$1.38	\$9.17	12%
Disposal					
Incineration/Waste-to-Energy	1.70	0.22	0.61	2.54	
Landfill Operations	10.15	2.98	3.05	16.18	
Total Disposal	\$11.86	\$3.20	\$3.66	\$18.72	25%
Total Market	\$44.21	\$15.18	\$14.40	\$73.80	100%
% Share	60%	21%	20%	100%	



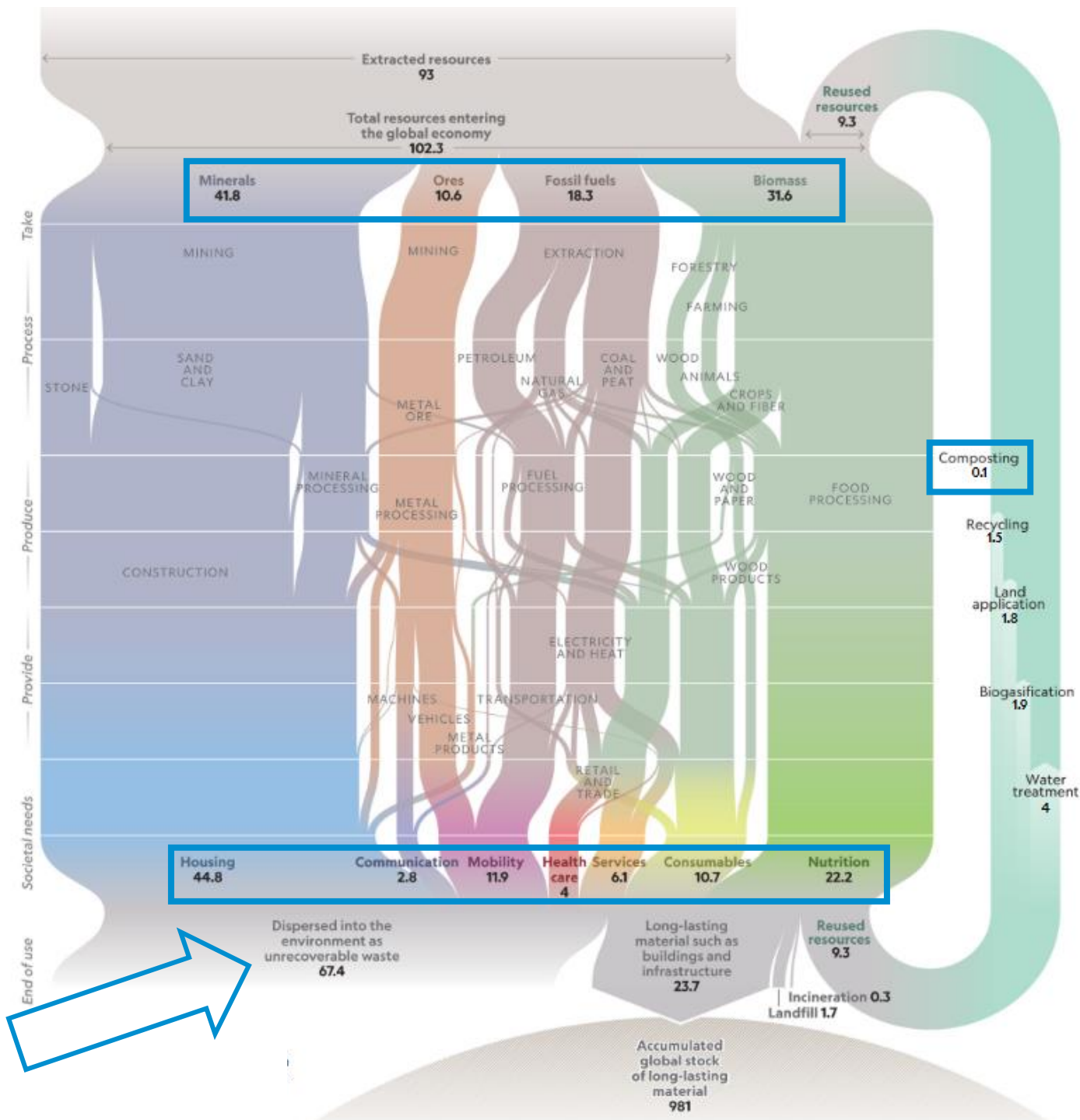
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“there is no other action that society can do today to simultaneously improve our impact on the environment, manufacturing AND the economy as recycling can”

* Mitch Hedlund, Recycle Across America

“Until we establish policy that places the cost and benefit of a healthy environment on the balance sheet of companies and countries, we risk further eroding of the infrastructure and the environment our children's depend”

* Nina Butler Bellucci, MORE Recycling



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