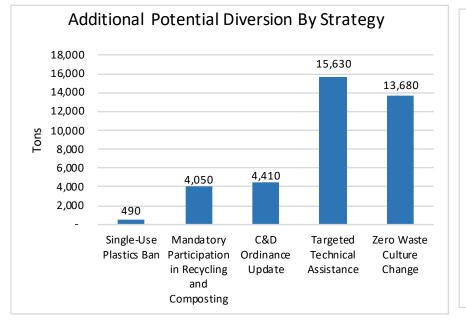
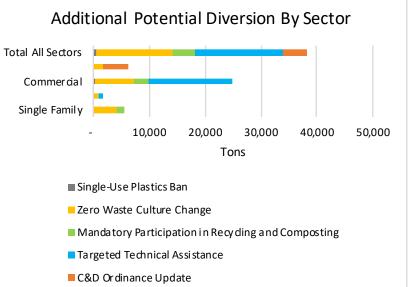
		Additional Potential Diversion							
	Recommended Zero Waste Strategy	Single Family	Multi-Family	Commercial	Self-Haul	Total All Sectors			
1	Single-Use Plastics Ban	150	30	310	N/A	490			
2	Mandatory Participation in Recycling and Composting	1,330	280	2,440	N/A	4,050			
3	C&D Ordinance Update	N/A	N/A	N/A	4,410	4,410			
4	Targeted Technical Assistance	N/A	560	15,070	N/A	15,630			
5	Zero Waste Culture Change	4,090	800	7,020	1,770	13,680			
	TOTAL	5,570	1,670	24,840	6,180	38,260			





			Carbaga		Single-Use P	lastics Ban	Zero Waste Cult	ure Change
Material	Material		Garbage Est. % Est. Tons		Capture Rate Tons		Capture Rate Tons	
Paper		18.4%	250.70	5,982	capture nate	10113	capture nate	10115
. ape.	Corrugated Cardboard and Kraft		2.1%	676	0%	_	10%	6
	Newspaper		1.2%	381	0%	-	10%	3
	Other Recyclable Paper		5.7%	1,850	0%	-	10%	18
	Polycoated Paper		0.2%	71	0%	-	10%	
	Compostable Paper		8.5%	2,780	0%	-	10%	27
	Non-Recoverable Paper		0.7%	225	0%	-	10%	2
Plastic		13.3%		4,342		-		-
	#1 & #2 Plastic Containers		2.0%	653	5%	33	10%	6
	Other Recyclable Plastics		3.5%	1,141	5%	57	10%	11
	Recoverable Film		1.3%	413	0%	-	10%	4
	Non-recoverable Film		4.8%	1,556	0%	-	10%	15
	Non-recoverable Plastics		1.8%	579	10%	58	15%	8
Glass		2.8%		913		-		-
	Glass Containers		2.6%	833	0%	-	10%	8
	Non-recoverable Glass		0.2%	80	0%	-	10%	
Metal		3.1%		1,013		-		-
	Tin/Steel Cans		0.8%	270	0%	-	10%	2
	Aluminum Cans & Foil		0.3%	107	0%	-	10%	1
	Other Recoverable Metal		1.4%	450	0%	-	10%	4
	Non-recoverable Metal		0.6%	186	0%	-	10%	1
Organics		42.5%		13,854		-		-
	Food		24.1%	7,840	0%	-	20%	1,56
	Yard Waste		4.7%	1,545	0%	-	10%	15
	Textiles		4.0%	1,314	0%	-	10%	13
	Non-recoverable Organics		9.7%	3,155	0%	-	10%	31
Construct	ion & Demolition	11.4%		3,719		-		-
	Recoverable Wood		1.8%	577	0%	-	10%	5
	Carpet		1.0%	328	0%	-	10%	3
	Recoverable C&D		5.6%	1,812	0%	-	10%	18

Non-recoverable C&D		3.1%	1,002	0%	-	10%	100
Other Materials	8.4%		2,747		-		-
Household Hazardous Waste		0.4%	117	0%	-	10%	12
Electronic Waste		0.4%	121	0%	-	10%	12
Tires		0.1%	16	0%	-	10%	2
Bulky Items		0.9%	303	0%	-	15%	45
Non-recoverable Other		6.7%	2,190	0%	-	10%	219
Totals	0.0%	100.0%	32,570	0%	148	13%	4,085

Mandatory Rec Compos		То	tal
Capture Rate	Tons	Capture Rate	Tons
7%	47	17%	115
7%	27	17%	65
7%	130	17%	315
0%	-	10%	7
7%	195	17%	473
0%	-	10%	22
	-	0%	-
7%	46	22%	144
7%	80	22%	251
7%	29	17%	70
0%	-	10%	156
0%	-	25%	145
	-	0%	-
7%	58	17%	142
0%	-	10%	8
	-	0%	-
7%	19	17%	46
7%	7	17%	18
7%	32	17%	77
0%	-	10%	19
	-	0%	-
7%	549	27%	2,117
7%	108	17%	263
0%	-	10%	131
0%	-	10%	316
	-	0%	-
0%	_	10%	58
0%	_	10%	33
0%	_	10%	181

4%	1,326	17%	5,558
0%	-	10%	219
0%	-	15%	45
0%	-	10%	2
0%	-	10%	12
0%	-	10%	12
	-	0%	-
0%	-	10%	100

Residenti	al - Multifamily				Single-Use Pl	astics Ban	Zero Waste Cult	ure Change
			Garbage		Single-Ose Fi	lastics ball	Zero waste cun	ure change
Material			Est. %	Est. Tons	Capture Rate	Tons	Capture Rate	Tons
Paper		22.1%		1,396				
	Corrugated Cardboard and Kraft		2.9%	185	0%	-	10%	18.54
	Newspaper		1.8%	116	0%	-	10%	11.6
	Other Recyclable Paper		9.1%	576	0%	-	10%	57.5
	Polycoated Paper		0.2%	15	0%	-	10%	1.5
	Compostable Paper		6.8%	429	0%	-	10%	42.9
	Non-Recoverable Paper		1.2%	74	0%	-	10%	7.4
Plastic		13.7%		865		-		-
	#1 & #2 Plastic Containers		2.8%	179	5%	9	10%	17.8
	Other Recyclable Plastics		3.5%	219	5%	11	10%	21.8
	Recoverable Film		1.1%	72	0%	-	10%	7.1
	Non-recoverable Film		4.1%	258	0%	-	10%	25.7
	Non-recoverable Plastics		2.2%	138	10%	14	15%	20.7
Glass		4.6%		288		-		-
	Glass Containers		4.0%	253	0%	-	10%	25.3
	Non-recoverable Glass		0.6%	35	0%	-	10%	3.5
Metal		4.2%		267		-		-
	Tin/Steel Cans		1.1%	67	0%	-	10%	6.7
	Aluminum Cans & Foil		0.4%	28	0%	-	10%	2.7
	Other Recoverable Metal		1.7%	108	0%	-	10%	10.8
	Non-recoverable Metal		1.0%	64	0%	-	10%	6.4
Organics		41.7%		2,633		-		-
	Food		25.5%	1,608	0%	-	20%	321.6
	Yard Waste		2.4%	154	0%	-	10%	15.3
	Textiles		5.1%	322	0%	-	10%	32.2
	Non-recoverable Organics		8.7%	549	0%	-	10%	54.8
Construct	ion & Demolition	6.3%		399		-		-
	Recoverable Wood		1.6%	103	0%	-	10%	10.3
	Carpet		0.3%	17	0%	-	10%	1.6
	Recoverable C&D		1.7%	109	0%	-	10%	10.9

Non-recoverable C&D		2.7%	170	0%	-	10%	17.03
Other Materials	7.3%		461		-		-
Household Hazardous Waste		0.2%	12	0%	-	10%	1.17
Electronic Waste		0.7%	45	0%	-	10%	4.47
Tires		0.0%	3	0%	-	10%	0.27
Bulky Items		1.8%	113	0%	-	15%	17.01
Non-recoverable Other		4.6%	288	0%	-	10%	28.84
Totals	0.0%	100.0%	6,310	1%	34	13%	804

Mandatory Re Compo		-	Technical tance	Total						
Capture Rate	Tons	Capture Rate	Tons	Capture Rate	Tons					
7%	12.98	10%	18.54	27%	50					
7%	8.15	10%	11.64	27%	31					
7%	40.29	10%	57.55	27%	155					
0%	-	10%	1.51	20%	3					
7%	30.04	10%	42.92	27%	116					
0%	-	10%	7.43	20%	15					
	-		-	0%	-					
7%	12.52	10%	17.88	32%	57					
7%	15.30	10%	21.86	32%	70					
7%	5.02	10%	7.17	27%	19					
0%	-	10%	25.78	20%	52					
0%	-	10%	13.82	35%	48					
	-		-	0%	-					
7%	17.71	10%	25.30	27%	68					
0%	-	10%	3.52	20%	7					
	-		-	0%	-					
7%	4.70	10%	6.72	27%	18					
7%	1.95	10%	2.78	27%	8					
7%	7.58	10%	10.83	27%	29					
0%	-	10%	6.42	20%	13					
	-		-	0%	-					
7%	112.59	10%	160.84	37%	595					
7%	10.77	10%	15.39	27%	42					
0%	-	10%	32.23	20%	64					
0%	-	10%	54.85	20%	110					
	-		-	0%	-					
0%	-	0%	-	10%	10					
0%	-	0%	-	10%	2					
0%	-	0%	-	10%	11					

0%	-	0%	-	10%	17
	-		-	0%	-
0%	-	10%	1.17	20%	2
0%	-	10%	4.47	20%	9
0%	-	0%	-	10%	0
0%	-	10%	11.34	25%	28
0%	-	0%	-	10%	29
4%	280	9%	562	27%	1,680

			Garbage		Single-Use Pl	astics Ban	Zero Waste Cul	ture Change
Material	Material		Est. %	Est. Tons	Capture Rate	Tons	Capture Rate	Tons
Paper		24.4%		13,717				
•	Corrugated Cardboard and Kraft		3.9%	, 2,167	0%	-	10%	21
	Newspaper		1.2%	647	0%	-	10%	6
	Other Recyclable Paper		7.4%	4,178	0%	-	10%	41
	Polycoated Paper		0.2%	117	0%	-	10%	1
	Compostable Paper		10.2%	5,734	0%	-	10%	57
	Non-Recoverable Paper		1.6%	874	0%	-	10%	8
Plastic		15.5%		8,697		-		-
	#1 & #2 Plastic Containers		1.9%	1,078	5%	54	10%	10
	Other Recyclable Plastics		3.0%	1,660	5%	83	10%	16
	Recoverable Film		1.7%	947	0%	-	10%	9
	Non-recoverable Film		5.8%	3,234	0%	-	10%	32
	Non-recoverable Plastics		3.2%	1,777	10%	178	15%	26
Glass		2.8%		1,551		-		-
	Glass Containers		2.2%	1,220	0%	-	10%	12
	Non-recoverable Glass		0.6%	331	0%	-	10%	3
Metal		3.8%		2,117		-		-
	Tin/Steel Cans		0.6%	339	0%	-	10%	3
	Aluminum Cans & Foil		0.4%	231	0%	-	10%	2
	Other Recoverable Metal		1.7%	957	0%	-	10%	9
	Non-recoverable Metal		1.1%	590	0%	-	10%	5
Organics		36.0%		20,188		-		-
	Food		23.2%	13,002	0%	-	20%	2,60
	Yard Waste		4.9%	2,759	0%	-	10%	27
	Textiles		3.5%	1,939	0%	-	10%	19
	Non-recoverable Organics		4.4%	2,488	0%	-	10%	24
Construct	ion & Demolition	12.5%		7,007		-		-
	Recoverable Wood		4.2%	2,345	0%	-	10%	23
	Carpet		0.7%	386	0%	-	10%	3
	Recoverable C&D		3.2%	1,821	0%	-	10%	18

Non-recoverable C&D		4.4%	2,455	0%	-	10%	245
Other Materials	5.1%		2,873		-		-
Household Hazardous Waste		0.7%	371	0%	-	10%	37
Electronic Waste		0.6%	341	0%	-	10%	34
Tires		0.2%	89	0%	-	10%	9
Bulky Items		0.5%	274	0%	-	15%	41
Non-recoverable Other		3.2%	1,797	0%	-	10%	180
Totals	0.0%	100.0%	56,150	1%	315	12%	7,018

Mandatory Red Compos		Targeted Assist		Total						
Capture Rate	Tons	Capture Rate	Tons	Capture Rate	Tons					
7%	152	30%	650	47%	1,019					
7%	45	30%	194	47%	304					
7%	292	30%	1,253	47%	1,964					
0%	-	30%	35	40%	47					
7%	401	30%	1,720	47%	2,695					
0%	-	30%	262	40%	349					
	-		-	0%	-					
7%	75	30%	324	52%	561					
7%	116	30%	498	52%	863					
7%	66	30%	284	47%	445					
0%	-	30%	970	40%	1,294					
0%	-	30%	533	55%	977					
	-		-	0%	-					
7%	85	30%	366	47%	573					
0%	-	30%	99	40%	132					
	-		-	0%	-					
7%	24	30%	102	47%	159					
7%	16	30%	69	47%	108					
7%	67	30%	287	47%	450					
0%	-	30%	177	40%	236					
	-		-	0%	-					
7%	910	30%	3,901	57%	7,411					
7%	193	30%	828	47%	1,297					
0%	-	30%	582	40%	775					
0%	-	30%	746	40%	995					
	-		-	0%	-					
0%	-	10%	235	20%	469					
0%	-	10%	39	20%	77					
0%	-	10%	182	20%	364					

4%	2,444	27%	15,066	44%	24,843
0%	-	10%	180	20%	359
0%	-	30%	82	45%	123
0%	-	10%	9	20%	18
0%	-	30%	102	40%	136
0%	-	30%	111	40%	149
	-		-	0%	-
0%	-	10%	245	20%	491

			Garbage		C&D Ordinance Update		Zero Waste Culture Change	
Material			Est. %	Est. Tons	Capture Rate	Tons	Capture Rate	Tons
Paper		9.5%		1,698				
-	Corrugated Cardboard and Kraft		2.0%	350	45%	157	10%	3.
	Newspaper		0.4%	72	0%	-	10%	
	Other Recyclable Paper		4.9%	881	0%	-	10%	8
	Polycoated Paper		0.0%	9	0%	-	10%	
	Compostable Paper		1.9%	336	0%	-	10%	3
	Non-Recoverable Paper		0.3%	51	0%	-	10%	
Plastic		6.3%		1,126		-		-
	#1 & #2 Plastic Containers		0.6%	106	0%	-	10%	1
	Other Recyclable Plastics		1.9%	336	45%	151	10%	3
	Recoverable Film		1.0%	173	0%	-	10%	1
	Non-recoverable Film		0.9%	168	0%	-	10%	1
	Non-recoverable Plastics		1.9%	343	0%	-	10%	3
Glass		2.1%		372		-		-
	Glass Containers		0.8%	139	0%	-	10%	1
	Non-recoverable Glass		1.3%	233	0%	-	10%	2
Metal		3.2%		574		-		-
	Tin/Steel Cans		0.3%	60	0%	-	10%	
	Aluminum Cans & Foil		0.1%	17	0%	-	10%	
	Other Recoverable Metal		2.1%	372	45%	167	10%	3
	Non-recoverable Metal		0.7%	124	0%	-	10%	1
Organics		18.1%		3,241		-		-
	Food		3.5%	631	0%	-	10%	6
	Yard Waste		6.3%	1,118	45%	503	10%	11
	Textiles		4.2%	759	0%	-	10%	7
	Non-recoverable Organics		4.1%	732	0%	-	0%	-
Construct	ion & Demolition	51.0%		9,100		-		-
	Recoverable Wood		15.8%	2,815	45%	1,267	10%	28
	Carpet		5.2%	920	45%	414	10%	9
	Recoverable C&D		15.5%	2,760	45%	1,242	10%	27

Totals	0.0%	100.0%	17,860	25%	4,408	10%	1,769
Non-recoverable Other		2.2%	394	0%	-	10%	39
Bulky Items		6.3%	1,125	45%	506	15%	169
Tires		0.1%	25	0%	-	10%	3
Electronic Waste		0.9%	158	0%	-	10%	16
Household Hazardous Waste		0.3%	47	0%	-	10%	5
Other Materials	9.8%		1,749		-		-
Non-recoverable C&D		14.6%	2,605	0%	-	10%	261

Total						
Capture Rate	Tons					
55%	192					
10%	7					
10%	88					
10%	1					
10%	34					
10%	5					
0%	-					
10%	11					
55%	185					
10%	17					
10%	17					
10%	34					
0%	-					
10%	14					
10%	23					
0%	-					
10%	6					
10%	2					
55%	205					
10%	12					
0%	-					
10%	63					
55%	615					
10%	76					
0%	-					
0%	-					
55%	1,548					
55%	506					
55%	1,518					

261
-
5
16
3
675
39
6,177

RECYCLED / COMPOSTED	SFD, MFD,	(SELF-H	SFD, MFD,	SFD, MFD,	(MFD, COM	
Material Categories - WARM	Single-	C&D	Zero		Targeted	TOTAL
	Use	Ordinance	Waste	Mandator	Technical	
	Plastics	Update	Culture	y Rec and	Assistance	
	Ban		Change	Comp		
						-
Aluminum Cans						-
Aluminum Ingot						-
Steel Cans						-
Copper Wire						-
Glass			244	161	391	797
HDPE	48		101	67	171	386
LDPE						-
PET	48		101	67	171	386
LLDPE						-
PP						-
PS						-
PVC						-
PLA						-
Corrugated Containers		157	338	212	669	1,376
Magazines/Third-class Mail						-
Newspaper			122	80	206	407
Office Paper						-
Phonebooks						-
Textbooks						-
Dimensional Lumber		1,267	584		235	2,085
Medium-density Fiberboard						-
Food Waste (non-meat)						-
Food Waste (meat only)						-
Beef						-
Poultry						-
Grains						-
Bread						-
Fruits and Vegetables						-
Dairy Products						-

Yard Trimmings		503	558	312	843	2,216]
Grass						-	
Leaves						-	
Branches						-	
Mixed Paper (general)			1,676	1,088	3,074	5,839	
Mixed Paper (primarily residential)						-	
Mixed Paper (primarily from offices)						-	
Mixed Metals		167	301	179	478	1,125	
Mixed Plastics	151	151	496	312	811	1,921	
Mixed Recyclables						-	
Food Waste			4,553	1,572	4,061	10,186	
Mixed Organics			433	-	614	1,047	Not included in WARM analysis; mc
Mixed MSW						-	
Carpet		414	165		39	618	
Personal Computers			66		107	173	
Clay Bricks						-	
Concrete		311	163		46	519	
Fly Ash						-	
Tires			13		9	22	
Asphalt Concrete		311	163		46	519	
Asphalt Shingles		311	163		46	519	
Drywall		311	163		46	519	
Fiberglass Insulation						-]
Vinyl Flooring						-	1
Wood Flooring						-	1
Total	247	3,902	10,402	4,050	12,060	30,660	

SOURCE REDUCED

Mixed Paper (General)		144	306	450	
Mixed Plastics	249	930	1,543	2,722	
Glass		68	103	171	
Mixed Metals		96	184	280	
Mixed Organics		619	801	1,421	Not inc
Fiberglass Insulation		312	123	434	
Vinyl Flooring		312	123	434	

Not included in WARM analysis; mc

Santa Rosa Zero Waste Plan - Appendix F

Mixed Recyclables		506	794		386	1,686	Not included in WARM analysis; mc
Total	249	506	3,274	-	3,568	7,598	
							_
	496	4,408	13,676	4,050	15,628	38,258	
					13,827		

Santa Rosa Zero Waste Plan - Appendix F

odel does not include textiles

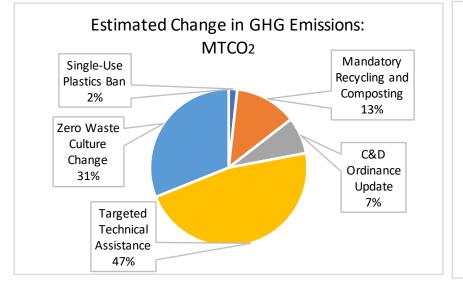
odel cannot model mixed organics source reduction

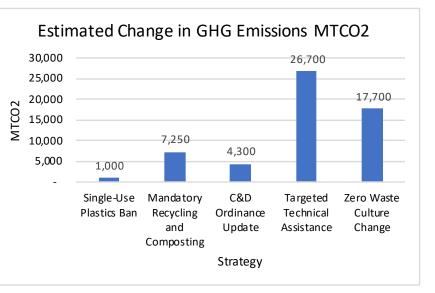
Santa Rosa Zero Waste Plan - Appendix F

odel cannot model source reduction for these categories

Strategy Recommendation	Estimated Change in GHG Emissions MTCO ₂
Single-Use Plastics Ban	1,000
Mandatory Recycling and Composting	7,250
C&D Ordinance Update	4,300
Targeted Technical Assistance	26,700
Zero Waste Culture Change	17,700
Total	56,950

**See WARM model spreadsheets for estimate info





Recommended Zero Waste Strategy	Tons Diverted	GHG Emission Reduction	Anticipated Timeline
Single-Use Plastics Ban	490	1,000	Short - Medium
Mandatory Recycling and Composting	4,050	7,250	Short
C&D Ordinance Update	4,410	4,300	Short
Zero Waste Culture Change	13,680	17,700	Short -Long
Targeted Technical Assistance	15,630	26,700	Medium - Long

*Ordered by tons diverted, smallest to largest. Strategy order for plan TBD.