

CO2e Savings from the Macclesfield Repair Cafe

Date	Number of successful repairs per Cafe						Sub Total of Successful Repairs
	Electrical*	Textile	Woodwork	Bike	Mechanical		
Sep-21	2	3	1	1	0	0	7
Oct-21	6	9	1	1	2		19
Nov-21	8	9	0	0	2		19
Dec-21	11	2	0	0	6		19
Jan-22	3	7	0	0	6		16
Feb-22	4	11	1	0	6		22
Mar-22	5	7	0	0	11		23
Apr-22	5	6	0	3	5		19
May-22	8	15	0	3	6		32
Jun-22	8	4	0	1	1		14
Jul-22	6	4	0	1	6		17
Aug-22	9	5	0	0	3		17
Sep-22	10	9	0	1	9		29
Oct-22	20	12	0	0	6		38
Nov-22	20	14	0	3	2		39
Dec-22	11	9	0	1	5		26
Jan-23	7	11	0	1	9		28
Total to Jan 23	143	137	3	16	85		384

Electricals* assume 3:1 split - Household Electricals : Phones/tablets/computers

CO2e Savings**											
	Electrical	Phones, Tablets, Computers	Textiles	Other including Woodwork	Bikes	Mechanical	Overall Total CO2e Saving	Net Emmission Saving (CO2e) (kg)	Product Displacement Loss (CO2e)	Repair Related Emmissions (CO2e)	Landfill and Recyclables Saving (kg est)
Total to Jan 23	3,920	8,984	2,608	46	2,392	1,952	19,902	15,367	2,269	2,265	1,222
Feb-23	414	0	245	17	0	35	711	419	79	156	57
Mar-23	345	0	272	0	0	14	631	415	72	144	42
Apr-23	200	0	299	20	0	41	560	348	64	152	47
May-23	367	0	108	0	0	39	514	350	58	102	43
Jun-23	121	0	204	0	0	62	387	244	44	99	33
Jul-23	175	0	231	0	0	11	417	267	47	103	26
Aug-23	442	0	150	1	59	2	654	458	75	121	49
Sep-23	242	0	176	8	139	35	600	420	68	112	53
Oct-23	218	0	176	2	0	43	439	286	50	103	36
Nov-23	647	0	327	0	455	25	1,454	1,057	166	231	118
Dec-23	557	0	271	0	0	33	861	580	98	183	64
Jan-24	194	428	218	13	198	14	1,065	821	121	123	52
Feb-24	369	143	218	64	218	4	1,016	745	116	155	74
Mar-24	145	0	248	30	150	138	711	476	81	153	84
Apr-24	375	143	136	6	198	16	874	651	100	124	63
May-24	290	856	190	4	10	4	1,354	1,065	154	135	39
Jun-24	386	0	203	2	198	2	791	557	90	134	60
Jul-24	42	0	258	6	0	25	331	198	38	96	22
Aug-24	242	0	258	8	495	6	1,009	738	115	156	81
Sep-24	611	499	462	0	0	12	1,584	1,146	181	257	74
Oct-24	200	71	150	5	0	43	469	314	53	101	33
Nov-24	242	0	150	0	594	8	994	769	113	111	88
Dec-24	321	0	163	6	0	41	531	355	60	116	46
Jan-25	79	0	163	0	163	10	415	295	47	73	32
Feb-25	581	0	267	153	0	804	1,805	1,156	206	443	327
Mar-25	1,343	0	324	61	0	482	2,210	1,492	252	466	270
Apr-25	532	71	272	0	941	94	1,910	1,459	218	233	40
May-25	466	0	245	6	445	21	1,183	871	135	177	101
Jun-25	448	0	231	19	39	37	774	523	88	163	28
Jul-25	212	0	122	20	0	96	450	294	51	105	55
Aug-25	514	0	449	10	0	47	1,020	665	116	239	76
Sep-25	678	0	190	13	376	45	1,302	953	148	201	118
Oct-25	835	142	163	0	0	72	1,212	866	138	208	93
Nov-25	405	0	449	0	743	98	1,695	1,242	193	260	149
Dec-25	399	0	294	0	0	37	730	442	83	205	53
Total to date	17,557	11,337	10,890	520	7,813	4,448	52,565	38,304	5,987	8,205	3,848

**All estimates are produced using the Farnham RC Calculating Tool.

Prior to Feb 2023 estimates were based solely on the number of successful repairs in each category.

From Feb 2023, where possible, the actual weight of the item repaired was considered in order to give a more accurate estimate.

To date our repairs have saved the carbon emissions equivalent to
ONE of the following activities:

Driving 160,111 miles OR Showering 23,940 times OR Flying 233,654 miles

CO2e to Net Factor 0.725 0.8 0.74 0.75 0.72 0.71

CO2e Savings - Summary											
	Electrical	Phones, Tablets, Computers	Textiles	Other including Woodwork	Bikes	Mechanical	Overall Total CO2e Saving	Net Emmision Saving (CO2e) (kg)	Product Displacement Loss (CO2e)	Repair Related Emmissions (CO2e)	Landfill and Recyclables Saving (kg est)
up to Jan 2023	3,920	8,984	2,608	46	2,392	1,952	19,902	15,367	2,269	2,265	1,222
2023 (except Jan)	3,728	0	2,459	48	653	340	7,228	4,901	821	1,506	568
2024	3,417	2,140	2,654	144	2,061	313	10,729	7,778	1,222	1,661	716
2025	6,492	213	3,169	282	2,707	1,843	14,706	10,258	1,675	2,773	1,342
Total to date	17,557	11,337	10,890	520	7,813	4,448	52,565	38,304	5,987	8,205	3,848

Repair Categories and Success Rates

	Electrical			Phones, Tablets, Computers			Textiles			Woodwork			Bikes			Mechanical			Everything		
	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total No of Items	Total No of Successful Repairs	Overall Success Rate %
Total to Jan 23	255	143	56%	0	0	0%	141	137	97%	3	3	100%	18	16	89%	120	87	73%	537	386	72%
Totals	255	143	56%	0	0	#DIV/0!	141	137	97%	3	3	100%	18	16	89%	120	87	73%	537	386	72%

	Electrical			Phones, Tablets, Computers			Textiles			Woodwork			Bikes			Mechanical			Everything		
	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total Number of Items	No of Successful Repairs	Success Rate %	Total No of Items	Total No of Successful Repairs	Overall Success Rate %
Feb-23	30	15	50%	0	0	0%	14	12	86%	1	1	100%	0	0	0%	7	5	71%	52	33	63%
Mar-23	23	11	48%	1	0	0%	14	13	93%	0	0	0%	0	0	0%	8	7	88%	46	31	67%
Apr-23	20	7	35%	1	0	0%	15	15	100%	1	1	100%	0	0	0%	12	10	83%	49	33	67%
May-23	20	12	60%	0	0	0%	8	6	75%	0	0	0%	1	0	0%	16	9	56%	45	27	60%
Jun-23	17	17	63%	0	0	0%	11	11	100%	0	0	0%	0	0	0%	8	7	88%	46	35	76%
Jul-23	15	10	67%	0	0	0%	16	16	100%	1	1	100%	0	0	0%	8	7	88%	40	34	85%
Aug-23	29	13	45%	0	0	0%	9	9	100%	2	2	100%	1	1	100%	9	5	56%	50	30	60%
Sep-23	24	16	67%	0	0	0%	14	14	100%	1	1	100%	1	1	100%	11	9	82%	51	41	80%
Oct-23	18	10	56%	1	0	0%	17	17	100%	1	1	100%	0	0	0%	4	4	100%	41	32	78%
Nov-23	21	9	43%	0	0	0%	19	19	100%	0	0	0%	3	3	100%	5	4	80%	48	35	73%
Dec-23	21	19	90%	0	0	0%	14	14	100%	0	0	0%	0	0	0%	8	6	75%	43	39	91%
Totals	248	139	56%	3	0	0%	151	146	97%	7	7	100%	6	5	83%	96	73	76%	511	370	72%

	Electrical			Phones, Tablets, Computers			Textiles			Woodwork			Bikes			Mechanical			Everything		
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Jan-24	26	6	23%	1	1	100%	13	13	100%	0	0	0%	1	1	100%	11	7	64%	52	28	54%
Feb-24	19	13	68%	1	1	100%	15	15	100%	2	2	100%	1	1	100%	7	3	43%	45	35	78%
Mar-24	14	8	57%	0	0	0%	15	13	87%	2	2	100%	3	3	100%	4	3	75%	38	29	76%
Apr-24	14	11	79%	1	1	100%	7	7	100%	3	2	67%	1	1	100%	9	7	78%	35	29	83%
May-24	12	9	75%	1	1	100%	14	14	100%	0	0	0%	0	0	0%	6	6	100%	33	30	91%
Jun-24	14	11	79%	1	0	0%	12	12	100%	0	0	0%	1	1	100%	5	4	80%	33	28	85%
Jul-24	15	6	40%	0	0	0%	16	16	100%	1	1	100%	0	0	0%	4	3	75%	36	26	72%
Aug-24	19	11	58%	0	0	0%	16	16	100%	4	0	0%	3	3	100%	6	4	67%	45	34	76%
Sep-24	23	13	57%	1	1	100%	21	21	100%	0	0	0%	0	0	0%	6	5	83%	51	40	78%
Oct-24	23	16	70%	1	1	100%	13	13	100%	0	0	0%	0	0	0%	8	7	88%	45	37	82%
Nov-24	24	14	58%	1	0	0%	15	15	100%	0	0	0%	4	4	100%	10	7	70%	54	40	74%
Dec-24	31	22	71%	0	0	0%	19	15	79%	1	1	100%	0	0	0%	10	9	90%	61	47	77%
Totals	234	140	60%	8	6	75%	176	170	97%	10	8	80%	14	14	100%	86	65	76%	528	403	76%

	Electrical			Phones, Tablets, Computers			Textiles			Woodwork			Bikes			Mechanical			Everything		
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Jan-25	15	13	87%	0	0	0%	8	8	100%	0	0	0%	3	2	67%	6	5	83%	32	28	88%
Feb-25	28	15	54%	0	0	0%	12	12	100%	2	2	100%	0	0	0%	16	14	88%	58	43	74%
Mar-25	26	21	81%	0	0	0%	21	21	100%	1	1	100%	1	0	0%	26	26	100%	78	69	88%
Apr-25	29	20	69%	1	1	#	16	16	100%	0	0	0%	7	7	#	18	18	100%	71	62	87%
May-25	24	12	50%	0	0	0%	12	11	92%	1	1	100%	3	3	#	10	10	100%	50	37	74%
Jun-25	26	15	58%	0	0	0%	17	17	100%	2	2	100%	1	1	#	9	8	89%	55	43	78%
Jul-25	17	5	29%	1	0	0%	7	7	100%	4	3	75%	0	0	0%	13	8	62%	42	23	55%
Aug-25	28	19	68%	0	0	0%	12	14	82%	3	2	67%	0	0	0%	23	23	100%	73	58	79%
Sep-25	24	22	92%	0	0	0%	15	15	100%	2	2	100%	3	3	100%	17	15	88%	61	57	93%
Oct-25	25	12	48%	1	1	100%	12	12	100%	0	0	0%	0	0	0%	24	22	92%	62	47	76%
Nov-25	23	14	61%	0	0	0%	17	17	100%	0	0	0%	3	3	100%	14	10	71%	57	44	77%
Dec-25	31	21	68%	0	0	0%	25	24	96%	0	0	0%	0	0	0%	9	9	100%	65	54	83%
Totals	296	189	64%	3	2	67%	179	174	97%	15	13	87%	21	19	90%	190	168	88%	704	565	80%

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Totals To End 2025	1,033	611	59%	14	8	57%	647	627	97%	35	31	89%	59	54	92%	492	393	80%	2,280	1,724	76%

CO2 Equivalent Savings

		Electrical	Phones, Tablets, Computers	Textiles	Other including Woodwork	Bikes	Mechanical	Overall
Pre 2023	CO2e kg	2,842	7,187	1,930	35	1,722	1,386	15,102
2023	CO2e kg	2,703	0	1,820	36	470	241	5,270
2024	CO2e kg	2,477	1,712	1,964	108	1,484	222	7,967
2025	CO2e kg	4,661	170	2,345	211	1,949	1,308	10,644
Totals	CO2e kg	12,683	9,069	8,059	390	5,625	3,158	38,983

Repair Success Rates

		Electrical	Phones, Tablets, Computers	Textiles	Other including Woodwork	Bikes	Mechanical	Overall
Pre 2023	Repaired	143	0	137	3	16	87	386
	% Fixed	56%	0%	97%	100%	89%	73%	72%
2023 (Excl Jan)	Repaired	139	0	146	7	5	73	370
	% Fixed	56%	0%	97%	100%	83%	76%	72%
2024	Repaired	140	6	170	8	14	65	403
	% Fixed	60%	75%	97%	80%	100%	76%	76%
2025	Repaired	189	2	174	13	19	168	565
	% Fixed	64%	67%	97%	87%	90%	88%	80%
Totals	Repaired	611	8	627	31	54	393	1,724
	% Fixed	59%	57%	97%	89%	92%	80%	76%