

2018

STATISTICS OF

RECOVERED PAPER

IN JAPAN



PUBLIC INTEREST INCORPORATED FOUNDATION
PAPER RECYCLING PROMOTION CENTER

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Introduction

1. Statistics

In these statistics, the volume is recovered paper for paper and paper board, not include other application

2. Unit

In these statistics, the volume is mentioned in one thousand metric ton, unless otherwise noted.

3. Recovery rate, Utilization rate

Recovery rate and Utilization rate are calculated as the following formula.

$$\text{Recovery rate} = \frac{\text{Recovered paper} + (\text{Receipts by paper makers}^* + \text{Exports} - \text{imports})}{\text{Paper and Paper board (consumption in domestic market)}}$$

*includes recycled pulp generated from recovered paper, converted to corresponding paper amount.

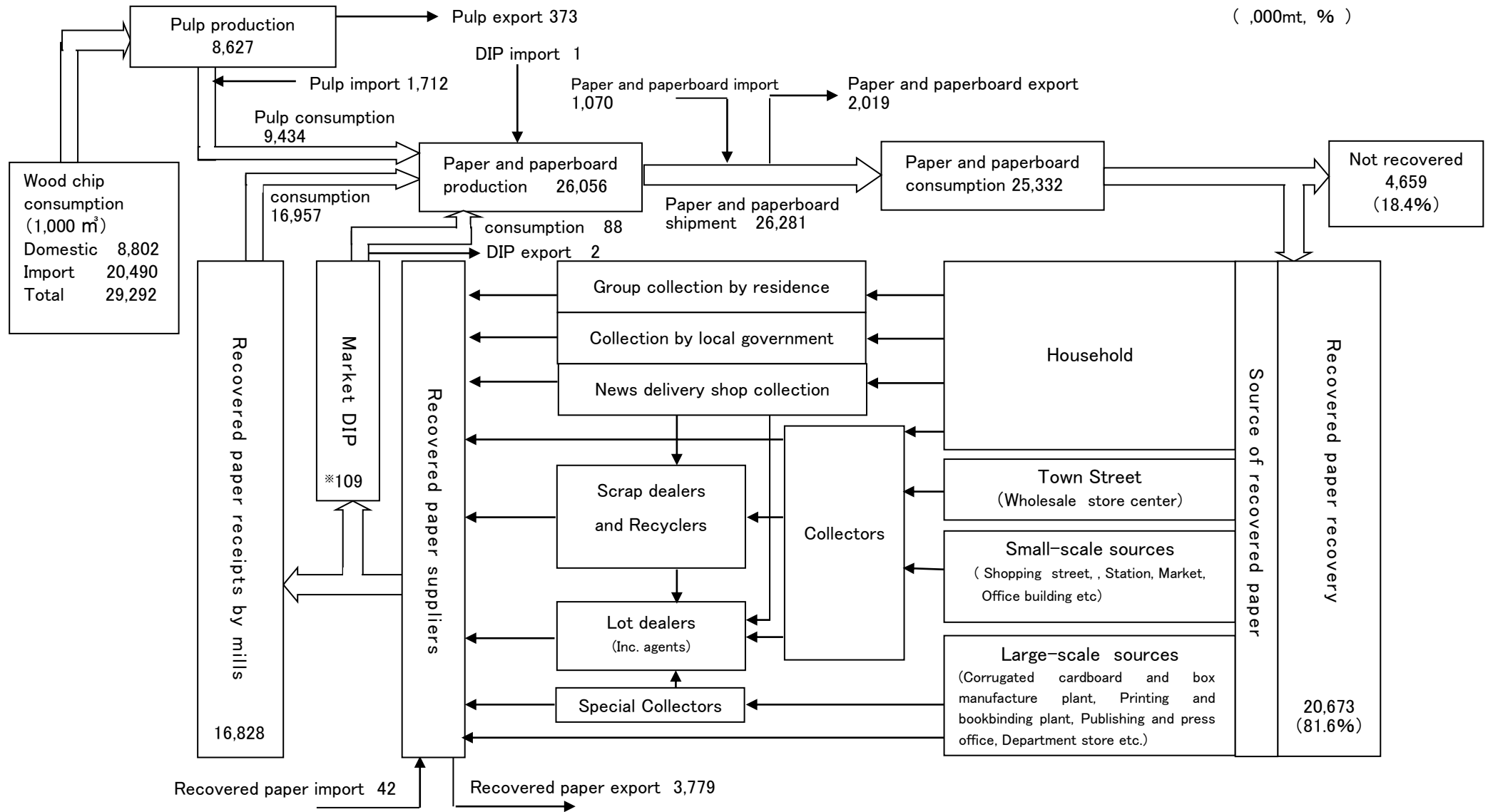
$$\text{Utilization rate} = \frac{\text{Recovered paper consumption}}{\text{Total fiber consumption (including non-wood fiber*)}}$$

* non-wood fiber that does not originate from wood pulp. Accounts for less than 1% of total figure used. Includes viscous staple fiber, knot screen waste, manila fiber, mitsumata fiber, etc.

4. Data source

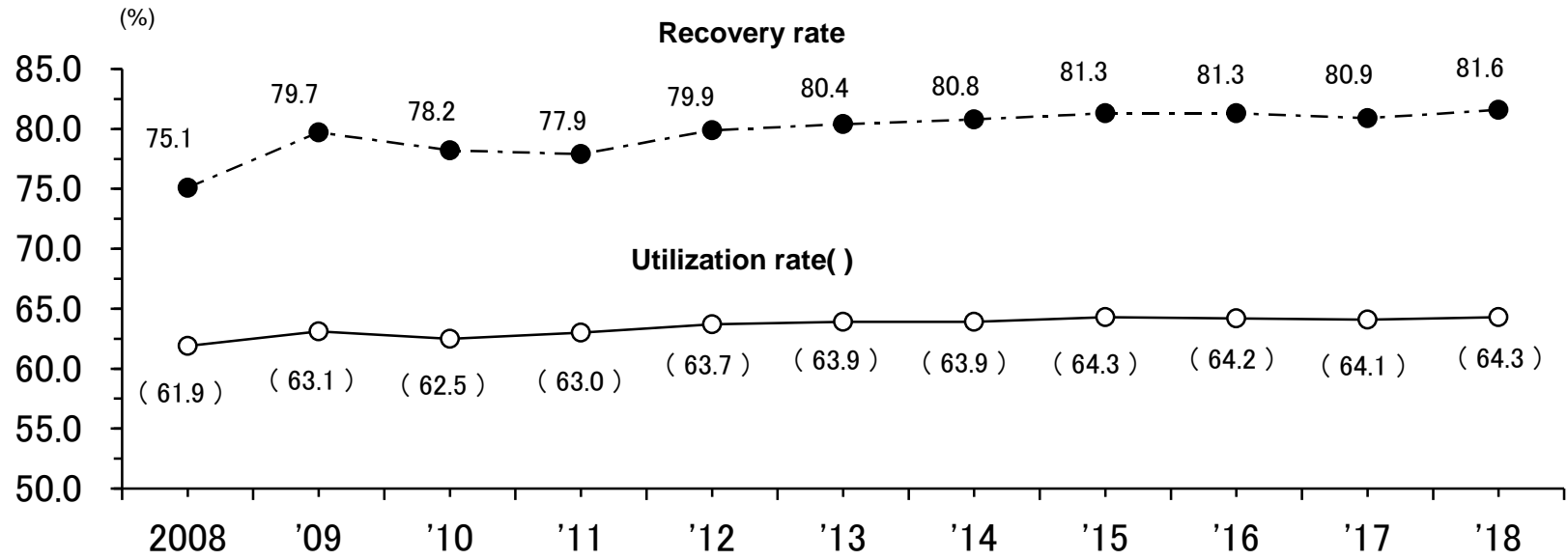
- (1) Monthly Report of Paper, Pulp, Plastics Products and Rubber Products Statistics
Research and Statistics Department, METI
- (2) Japan Export of Pulp and Paper by Commodity and Country
Ministry of Finance
- (3) Japan Import of Pulp and Paper by Commodity and Country
Ministry of Finance

Recovered paper generation / distribution route (2018)



※Market pulp /0.8yield

Recovered paper Recovery rate & Utilization rate



Recovered paper recovery rate

(,000 mt, %)

Year	Shipment			Imports of	Exports of	The Balance	Imports of	Exports of	Recovered paper	Recycled	Recovery	Recovery rate
	Paper	Paperboard	Total A	paper & paperboard	paper & paperboard		recovered paper	recovered paper				
				B	C	A+B-C=D	E	F	G	G'		
1960	2,836	1,618	4,454	1	169	4,287	27	1	1,492		1,466	34.2
1965	4,216	3,106	7,322	17	230	7,108	76	1	2,800		2,725	38.3
1970	7,004	5,665	12,669	100	508	12,260	110	6	4,837		4,733	38.6
1975	7,853	6,032	13,885	107	653	13,339	121	39	5,210	34	5,162	38.7
1980	10,191	7,465	17,656	493	656	17,493	224	20	8,187	95	8,078	46.2
1985	11,736	8,633	20,369	701	869	20,201	300	18	10,326	107	10,151	50.2
1990	16,391	11,703	28,095	1,035	904	28,226	634	22	14,474	160	14,021	49.7
1995	17,457	12,202	29,659	1,275	912	30,022	479	42	15,770	142	15,475	51.5
2000	18,991	12,730	31,721	1,470	1,432	31,758	278	372	18,066	172	18,332	57.7
2001	18,389	12,390	30,779	1,583	1,290	31,072	214	1,466	17,680	189	19,122	61.5
2002	18,525	12,182	30,707	1,517	1,578	30,646	144	1,897	18,079	213	20,046	65.4
2003	18,326	12,100	30,426	1,830	1,326	30,930	118	1,971	18,387	202	20,443	66.1
2004	18,770	12,085	30,855	1,961	1,439	31,377	81	2,835	18,553	199	21,507	68.5
2005	18,813	12,056	30,869	1,754	1,240	31,382	77	3,710	18,505	181	22,320	71.1
2006	19,050	12,059	31,109	1,651	1,218	31,541	72	3,887	18,819	191	22,825	72.4
2007	19,268	12,046	31,314	1,375	1,385	31,304	67	3,844	19,381	166	23,325	74.5
2008	18,679	11,787	30,466	1,291	1,454	30,303	61	3,491	19,154	169	22,752	75.1
2009	15,993	10,457	26,450	1,801	1,057	27,194	44	4,914	16,644	150	21,664	79.7
2010	16,449	10,973	27,422	1,791	1,461	27,752	44	4,374	17,235	150	21,715	78.2
2011	15,408	11,112	26,520	2,090	947	27,663	42	4,432	17,012	151	21,553	77.9
2012	14,957	10,861	25,818	2,219	806	27,230	28	4,929	16,721	129	21,752	79.9
2013	15,312	11,110	26,422	1,843	1,062	27,203	30	4,890	16,875	129	21,864	80.4
2014	15,075	11,306	26,381	1,736	1,200	26,917	34	4,619	17,040	125	21,750	80.8
2015	14,797	11,323	26,120	1,551	1,357	26,314	35	4,261	17,040	134	21,401	81.3
2016	14,726	11,576	26,302	1,383	1,553	26,132	43	4,138	16,977	162	21,233	81.3
2017	14,516	11,963	26,479	1,347	1,803	26,023	46	3,734	17,220	140	21,047	80.9
2018	14,187	12,094	26,281	1,070	2,019	25,332	42	3,779	16,828	109	20,673	81.6

Note : Recovered paper used to product the denied market pulp was calculated as yield 80%. (G')

Estimation of recovery rate by grades (2018)

(,000 mt)

Grades	Recovery	Consumption of Paper or Paperboard	2018 recovery rate (%)	2017 recovery rate (%)
Hard white shavings, white cards	} 5,113	} 10,534	} 48.5	} 45.3
White woody shavings, white manila				
Fine paper printed (incl. coated paper)				
Quires woody printed paper				
Old magazines				
Old newspaper	3,788	2,531	149.6	146.6
Kraft browns	} 11,010	} 9,797	} 112.4	} 111.5
Old corrugated containers				
Box board cuttings	762	2,470	30.9	49.3
Total	20,673	25,332	81.6	80.9

Notes :

1. Recovery quantity = Receipts by papermakers + Exports - Imports+

Maket pulp (0.8 yied and produced with recovered paper)

2. Consumption of paper or paperboard in Japan = Shipment from papermakers + Exports - Imports

3. Consumption of paper or paperboard

a) The 100% recovered paper of Printing and communication paper, Bleached wrapping paper, Sanitary paper, Miscellaneous paper become of Hard white shavings, white cards, White woody shavings, white manila, Fine paper printed, Miscellaneous paper, and Old magazines, and 3% of Newsprint and Manila board become of the above grades after used.

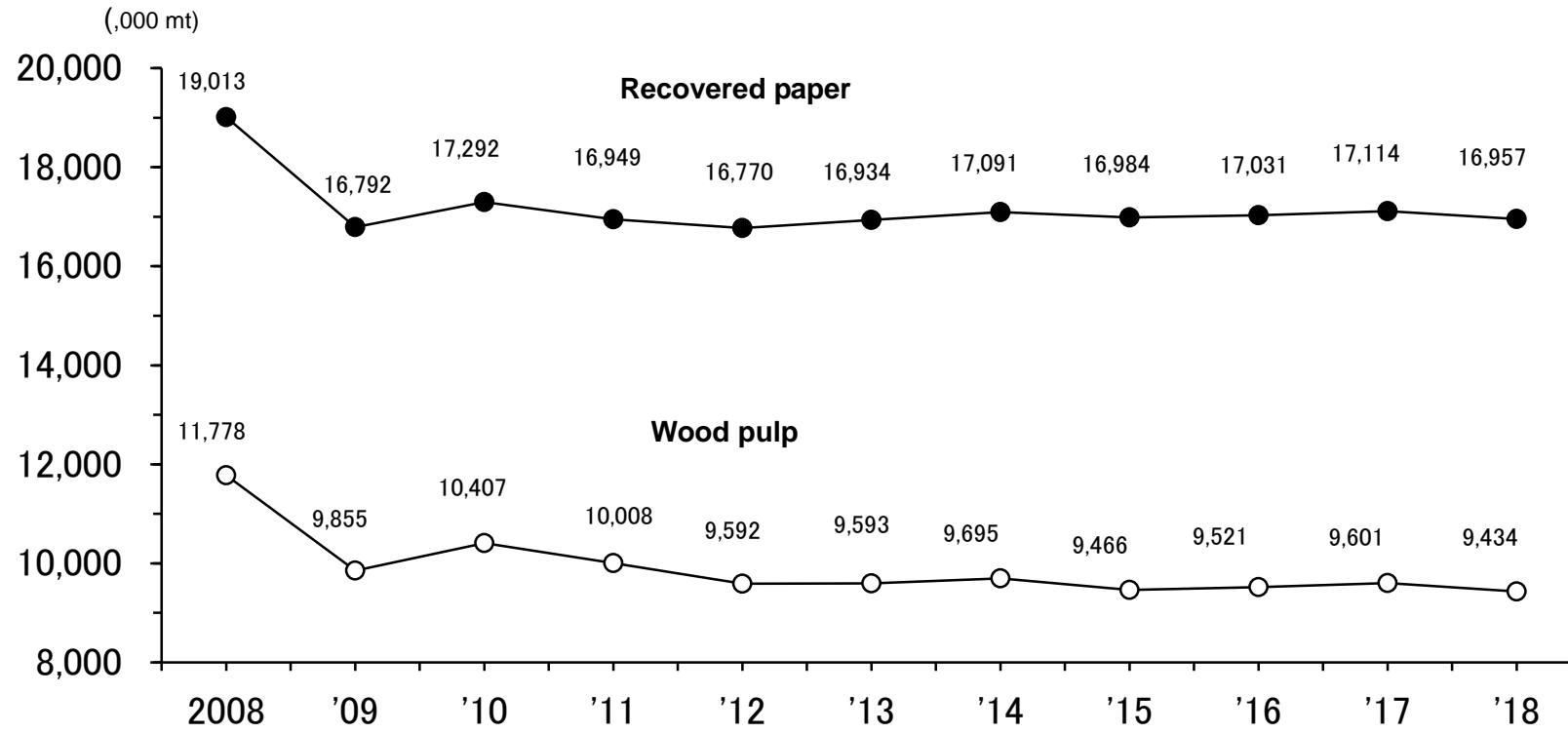
b) About 97% of Newsprint become of Old newspaper after used

c) All of Unbleached wrapping paper (Kraft paper) become of Kraft browns after used.

d) All of Corrugated container become Old corrugated containers after used.

e) All of White paperboard (except Manila board), Core board, Building board, Other paperboard and 97% of Manila board become of Box board cuttings after used.

Consumption of recovered paper & wood pulp



State of recovered paper (2018)

(,000 mt , %)

Grades	Receipts	Consumption		
		Ratio for the year before %	Consumption	Ratio for the year before %
Total	16,828	99.1	16,957	99.1
Hard white shavings, white card	71	105.3	70	104.6
White woody shavings, white manila	38	73.7	40	77.4
Fine paper printed (incl. coated paper)	1,772	100.3	1,772	99.9
Kraft browns	42	90.5	42	89.0
Quires woody paper printed	88	97.2	90	99.4
Old newspaper	3,205	87.6	3,263	90.1
Old magazines	2,227	108.9	2,230	109.7
Old corrugated containers	8,989	98.5	9,050	99.8
Box board cuttings	397	108.4	399	110.2

Utilization rate & consumption of fiber stocks for paper and paperboard

(,000 mt, %)

Year	For Stocks	Total	Paper			Paperboard							
			Proportion	Ratio of the year before	Proportion	Ratio of the year before	Proportion	Ratio of the year before					
2010	Wood pulp	10,407	100.0	37.4	105.6	9,569	91.9	59.4	105.6	838	8.1	7.1	105.3
	DIP	120	100.0	0.4	97.2	107	89.1	0.7	96.6	13	10.9	0.1	101.7
	Recovered paper	17,292	100.0	62.1	103.0	6,412	37.1	39.8	98.6	10,880	62.9	92.7	105.7
	Other stocks	31	100.0	0.1	116.8	23	73.0	0.1	121.9	8	27.0	0.1	105.0
	Total	27,850	100.0	100.0	103.9	16,111	57.8	100.0	102.7	11,740	42.2	100.0	105.7
2011	Wood pulp	10,008	100.0	36.9	96.2	9,163	91.6	60.3	95.8	845	8.4	7.1	100.7
	DIP	118	100.0	0.4	98.7	106	89.9	0.7	99.7	12	10.1	0.1	91.3
	Recovered paper	16,949	100.0	62.5	98.0	5,916	34.9	38.9	92.3	11,033	65.1	92.7	101.4
	Other stocks	31	100.0	0.1	98.7	21	68.2	0.1	92.2	10	31.8	0.1	116.3
	Total	27,106	100.0	100.0	97.3	15,206	56.1	100.0	94.4	11,900	43.9	100.0	101.4
2012	Wood pulp	9,592	100.0	36.2	95.8	8,785	91.6	58.8	95.9	807	8.4	7.0	95.5
	DIP	106	100.0	0.4	89.7	97	91.8	0.7	91.7	9	8.2	0.1	72.7
	Recovered paper	16,770	100.0	63.3	98.9	6,037	36.0	40.4	102.0	10,733	64.0	92.9	97.3
	Other stocks	33	100.0	0.1	106.6	23	70.3	0.2	109.9	10	29.7	0.1	99.6
	Total	26,501	100.0	100.0	97.8	14,943	56.4	100.0	98.3	11,559	43.6	100.0	97.1
2013	Wood pulp	9,593	100.0	36.0	100.0	8,818	91.9	58.9	100.4	775	8.1	6.6	96.1
	DIP	104	100.0	0.4	97.8	97	93.1	0.6	99.2	7	6.9	0.1	82.4
	Recovered paper	16,934	100.0	63.5	101.0	6,039	35.7	40.3	100.0	10,895	64.3	93.2	101.5
	Other stocks	31	100.0	0.1	94.0	22	71.0	0.1	94.9	9	29.0	0.1	91.8
	Total	26,661	100.0	100.0	100.6	14,975	56.2	100.0	100.2	11,686	43.8	100.0	101.1
2014	Wood pulp	9,695	100.0	36.0	101.1	8,891	91.7	59.5	100.8	804	8.3	6.7	103.7
	DIP	100	100.0	0.4	96.7	95	94.4	0.6	98.1	6	5.6	0.0	78.4
	Recovered paper	17,091	100.0	63.5	100.9	5,930	34.7	39.7	98.2	11,161	65.3	93.2	102.4
	Other stocks	32	100.0	0.1	102.4	23	72.0	0.2	103.9	9	28.0	0.1	98.8
	Total	26,918	100.0	100.0	101.0	14,939	55.5	100.0	99.8	11,979	44.5	100.0	102.5
2015	Wood pulp	9,466	100.0	35.6	97.6	8,695	91.9	59.7	97.8	771	8.1	6.4	95.9
	DIP	108	100.0	0.4	107.4	102	94.6	0.7	107.5	6	5.4	0.0	104.0
	Recovered paper	16,984	100.0	63.9	99.4	5,748	33.8	39.5	96.9	11,236	66.2	93.5	100.7
	Other stocks	31	100.0	0.1	99.3	23	72.9	0.2	100.5	8	27.1	0.1	96.1
	Total	26,589	100.0	100.0	98.8	14,567	54.8	100.0	97.5	12,022	45.2	100.0	100.4
2016	Wood pulp	9,521	100.0	35.6	100.6	8,764	92.1	60.7	100.8	756	7.9	6.2	98.1
	DIP	128	100.0	0.5	119.1	123	95.7	0.9	120.6	6	4.3	0.0	94.3
	Recovered paper	17,031	100.0	63.8	100.3	5,531	32.5	38.3	96.2	11,501	67.5	93.7	102.4
	Other stocks	31	100.0	0.1	99.1	23	73.0	0.2	99.3	8	27.0	0.1	98.6
	Total	26,712	100.0	100.0	100.5	14,441	54.1	100.0	99.1	12,271	45.9	100.0	102.1
2017	Wood pulp	9,601	100.0	35.7	100.8	8,828	91.9	61.9	100.7	773	8.1	6.1	102.2
	DIP	113	100.0	0.4	87.8	107	94.6	0.7	86.8	6	5.4	0.0	111.2
	Recovered paper	17,114	100.0	63.7	100.5	5,296	30.9	37.2	95.8	11,818	69.1	93.8	102.8
	Other stocks	31	100.0	0.1	99.8	23	73.8	0.2	100.8	8	26.2	0.1	97.0
	Total	26,859	100.0	100.0	100.6	14,254	53.1	100.0	98.7	12,605	46.9	100.0	102.7
2018	Wood pulp	9,434	100.0	35.6	98.3	8,605	91.2	62.6	97.5	828	8.8	6.5	107.1
	DIP	88	100.0	0.3	78.0	81	91.8	0.6	75.7	7	8.2	0.1	118.3
	Recovered paper	16,957	100.0	64.0	99.1	5,042	29.7	36.7	95.2	11,914	70.3	93.4	100.8
	Other stocks	34	100.0	0.1	109.1	24	70.1	0.2	103.7	10	29.9	0.1	124.4
	Total	26,512	100.0	100.0	98.7	13,752	51.9	100.0	96.5	12,760	48.1	100.0	101.2

Note : Utilization rate = Proportion of (DIP+Recovered paper)

Supply & demand of recovered paper (2018)

(,000 mt, %)

Year. Mon.	Total				Hard white shavings, white card				White woody shavings, white manila				Fine paper printed (incl. coated paper)				Kraft browns											
	Receipts	Consumption A	Stock B	B/A (%)	Receipts	Consumption A	Stock B	B/A (%)	Receipts	Consumption A	Stock B	B/A (%)	Receipts	Consumption A	Stock B	B/A (%)	Receipts	Consumption A	Stock B	B/A (%)								
2016 total	16,977	17,031	680		65	65	8		51	52	6		1,826	1,818	100		46	47	5									
2017 total	17,220	17,114	786		67	67	8		51	52	6		1,766	1,774	91		47	48	4									
Ratio of the year before	101.4	100.5	115.6		102.8	103.0	96.6		100.7	100.4	90.6		96.7	97.6	91.5		101.8	101.0	82.4									
2017 Dec.	1,508	1,403	786	56.0	6	106.9	6	112.9	8	133.6	4	106.6	4	93.0	6	145.8	150	97.5	145	96.0	91	62.8	4	100.0	4	107.4	4	105.5
2018 Jan.	1,363	1,334	815	61.1	5	100.3	7	125.1	6	91.6	3	80.5	4	87.1	5	143.7	136	102.6	138	95.3	90	64.8	3	97.4	4	96.9	4	113.2
Feb.	1,318	1,322	811	61.4	6	107.6	6	108.9	6	105.1	3	83.1	3	73.0	5	151.6	145	103.5	142	96.7	92	64.9	4	102.2	4	98.4	4	103.1
Mar.	1,513	1,516	808	53.3	6	98.9	6	93.1	7	126.9	3	74.2	4	85.2	4	116.5	167	102.6	158	100.5	101	64.1	4	92.4	4	92.8	4	95.9
Apr.	1,405	1,421	792	55.7	6	105.7	6	111.8	7	121.6	3	85.5	3	82.6	4	128.6	149	99.1	150	103.9	101	67.2	4	103.6	4	89.4	4	110.5
May	1,396	1,420	768	54.1	6	118.1	6	113.9	7	108.3	3	68.7	3	79.9	4	132.1	152	104.1	152	103.2	101	66.2	4	98.3	4	103.0	4	101.2
Jun.	1,375	1,451	692	47.7	6	108.7	6	101.0	7	131.5	3	70.4	3	69.5	4	132.7	152	100.7	154	103.7	99	64.5	4	89.6	3	81.3	5	143.0
Jul.	1,344	1,431	605	42.2	6	110.8	5	91.7	8	168.4	3	75.0	3	76.5	4	135.8	137	102.3	137	100.4	99	72.1	4	90.0	3	80.6	5	150.4
Aug.	1,348	1,351	602	44.6	6	118.4	6	148.3	8	127.5	3	75.4	3	82.5	4	126.4	137	99.4	143	97.5	94	65.7	3	80.3	3	97.3	5	151.2
Sep.	1,336	1,415	523	37.0	6	92.8	6	90.3	8	134.8	3	60.8	3	66.2	4	113.6	140	94.6	149	98.5	85	57.3	3	83.1	3	85.8	5	147.3
Oct.	1,527	1,510	541	35.8	6	100.2	6	90.7	8	137.9	3	68.3	4	78.8	3	86.2	161	102.8	160	102.4	86	53.4	4	84.2	4	78.8	5	136.1
Nov.	1,459	1,425	574	40.3	6	99.2	6	102.9	7	115.0	4	84.0	4	75.6	3	91.2	150	97.0	145	97.3	90	62.3	3	85.6	4	85.3	5	126.6
Dec.	1,443	1,361	657	48.3	6	108.1	5	95.2	8	143.8	3	63.4	3	74.2	3	113.3	144	95.9	143	98.6	91	63.6	3	81.4	3	82.6	4	124.0
2018 total	16,828	16,957			71	70			38	40							1,772	1,772						42	42			
Ratio of the year before	97.7	99.1			105.3	104.6			73.7	77.4							100.3	99.9						90.5	89.0			

Year. Mon.	Quires woody paper printed				Old newspaper				Old magazines				Old corrugated containers				Box board cuttings										
	Receipts	Consumption A	Stock B	B/A (%)	Receipts	Consumption A	Stock B	B/A (%)	Receipts	Consumption A	Stock B	B/A (%)	Receipts	Consumption A	Stock B	B/A (%)	Receipts	Consumption A	Stock B	B/A (%)							
2016 total	98	100	7		3,772	3,802	205		1,934	1,940	75		8,812	8,830	258		374	378	16								
2017 total	91	91	7		3,659	3,619	244		2,045	2,034	87		9,128	9,067	319		366	362	20								
Ratio of the year before	93.0	90.9	99.0		97.0	95.2	119.1		105.7	104.8	115.5		103.6	102.7	123.8		98.0	95.6	127.1								
2017 Dec.	8	7	7	95.4	319	294	244	83.0	190	115.5	175	118.4	87	49.9	795	738	319	43.2	32	102.6	30	95.5	20	68.0			
2018 Jan.	6	7	6	77.7	304	283	265	93.7	170	111.3	164	112.7	94	57.3	707	700	326	46.6	27	98.8	28	105.3	19	68.7			
Feb.	7	7	6	84.7	267	271	261	96.5	163	119.4	168	108.9	88	52.6	693	689	330	47.8	30	102.5	31	105.4	18	58.5			
Mar.	9	8	6	73.7	295	305	251	82.2	200	112.4	199	117.3	89	44.8	794	798	325	40.8	35	110.5	33	104.6	20	60.1			
Apr.	8	8	6	82.0	264	281	233	82.8	196	106.1	191	114.3	94	49.3	743	746	322	43.3	33	105.6	33	107.6	20	61.1			
May	7	8	6	79.8	268	294	207	70.2	195	112.3	189	112.2	101	53.4	728	730	321	44.0	31	105.9	34	118.4	18	53.2			
Jun.	7	7	6	78.6	253	283	177	62.4	192	114.6	197	109.6	95	48.1	725	764	281	36.8	33	107.6	33	99.1	18	53.5			
Jul.	7	7	6	88.6	232	252	157	62.2	187	117.7	189	107.7	92	48.9	736	800	218	27.2	32	110.5	35	108.3	15	44.2			
Aug.	7	8	5	59.3	248	271	134	49.3	171	103.6	181	112.6	83	45.9	741	707	251	35.6	33	117.0	29	121.9	19	64.8			
Sep.	8	8	5	60.3	250	247	137	55.4	171	96.4	186	106.4	69	36.9	723	779	195	25.1	32	106.1	35	106.4	17	48.8			
Oct.	8	8	5	61.8	276	272	140	51.6	201	110.1	197	108.2	72	36.2	831	821	205	25.0	39	117.9	38	116.7	18	45.9			
Nov.	7	8	4	47.2	277	243	174	71.9	189	105.7	187	103.4	74	39.6	787	791	201	25.4	36	109.2	38	124.0	16	41.2			
Dec.	7	6	5	73.8	272	261	186	71.4	192	101.3	182	104.3	84	45.9	781	724	258	35.6	35	107.8	32	107.8	18	57.4			
2018 total	88	90			3,205	3,263			2,227	2,230					8,989	9,050							397	399			
Ratio of the year before	97.2	99.4			87.6	90.1			108.9	109.7					98.5	99.8							108.4	110.2			

Note : Receipts = Consumption + Stock - The stock of the previous month

consumption of recovered paper for papermaking (2018)

(,000 mt, %)

Year, Mon.	Total			Hard white shavings, white card			White woody shavings, white manila			Fine paper printed (incl. coated paper)			Kraft paper		
	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total
2016 total	5,531	11,501	17,031	12	53	65	2	50	52	1,532	286	1,818	8	39	47
2017 total	5,296	11,818	17,114	14	53	67	2	50	52	1,490	284	1,774	8	40	48
Ratio of the before year	95.8	102.8	100.5	110.9	101.1	103.0	89.9	100.8	100.4	97.3	99.4	97.6	95.7	102.2	101.0
Proportion	30.9	69.1	100.0	20.6	79.4	100.0	3.2	96.8	100.0	84.0	16.0	100.0	17.0	83.0	100.0
2017 Dec.	438	966	1,403	2	4	6	0	4	4	124	21	145	1	3	4
2018 Jan.	421	913	1,334	2	5	7	0	3	4	117	22	138	1	3	4
Feb.	408	914	1,322	2	4	6	0	3	3	120	22	142	1	3	4
Mar.	461	1,055	1,516	2	4	6	0	4	4	133	25	158	1	3	4
Apr.	432	990	1,421	2	4	6	0	3	3	127	23	150	1	3	4
May	450	970	1,420	2	5	6	0	3	3	130	22	152	1	3	4
Jun.	437	1,014	1,451	2	4	6	0	3	3	130	24	154	1	3	3
Jul.	393	1,038	1,431	1	4	5	0	3	3	118	19	137	1	3	3
Aug.	420	931	1,351	2	4	6	0	3	3	121	21	143	1	2	3
Sep.	396	1,018	1,415	2	4	6	0	3	3	125	23	149	1	3	3
Oct.	430	1,080	1,510	2	4	6	0	4	4	135	26	160	1	3	4
Nov.	385	1,040	1,425	2	5	6	0	3	4	121	24	145	1	3	4
Dec.	408	952	1,361	2	4	5	0	3	3	123	21	143	1	3	3
2018 total	5,042	11,914	16,957	20	50	70	1	39	40	1,500	272	1,772	8	34	42
Ratio of the before year	95.2	100.8	99.1	146.7	93.7	104.6	76.8	77.4	77.4	100.7	95.7	99.9	101.9	86.4	89.0
Proportion	29.7	70.3	100.0	28.9	71.1	100.0	3.2	96.8	100.0	84.7	15.3	100.0	19.5	80.5	100.0

Year, Mon.	Quires woody paper printed			Old newspaper			Old magazines			Old corrugated containers			Box board cuttings		
	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total	For paper	For paperboard	Total
2016 total	85	15	100	3,550	252	3,802	333	1,606	1,940	2	8,828	8,830	5	373	378
2017 total	76	14	91	3,382	238	3,619	317	1,716	2,034	2	9,065	9,067	5	357	362
Ratio of the before year	89.5	98.7	90.9	95.3	94.4	95.2	95.2	106.8	104.8	113.0	102.7	102.7	85.8	95.8	95.6
Proportion	84.1	15.9	100.0	93.4	6.6	100.0	15.6	84.4	100.0	0.0	100.0	100.0	1.3	98.7	100.0
2017 Dec.	6	1	7	275	19	294	29	146	175	0	738	738	0	30	30
2018 Jan.	6	1	7	265	18	283	30	134	164	0	700	700	0	28	28
Feb.	6	1	7	252	19	271	27	141	168	0	689	689	0	31	31
Mar.	7	1	8	284	21	305	34	165	199	0	798	798	0	33	33
Apr.	7	1	8	262	19	281	33	158	191	0	745	746	0	32	33
May	6	1	8	275	19	294	35	153	189	0	730	730	0	33	34
Jun.	6	1	7	262	21	283	36	161	197	0	764	764	0	33	33
Jul.	6	1	7	233	19	252	34	155	189	0	800	800	0	34	35
Aug.	7	1	8	253	18	271	36	145	181	0	707	707	0	29	29
Sep.	7	1	8	228	19	247	34	152	186	0	779	779	0	34	35
Oct.	6	1	8	251	21	272	35	163	197	0	821	821	0	38	38
Nov.	7	1	8	224	19	243	30	157	187	0	791	791	0	38	38
Dec.	5	1	6	244	16	261	33	150	182	0	724	724	0	32	32
2018 total	77	13	90	3,033	230	3,263	397	1,834	2,230	2	9,048	9,050	4	395	399
Ratio of the before year	100.8	92.0	99.4	89.7	96.7	90.1	125.0	106.8	109.7	84.3	99.8	99.8	87.1	110.5	110.2
Proportion	85.3	14.7	100.0	93.0	7.0	100.0	17.8	82.2	100.0	0.0	100.0	100.0	1.0	99.0	100.0

Consumption of recovered paper classified by grades

(,000 mt, %)

Year	Item	Total	Hard white shavings, white cards	White woody shavings, white manila	Fine paper printed	Kraft browns	Quires woody paper printed	Old newspaper	Old magazines	Old corrugated containers	Box board cuttings
2011	Consumption	16,949	70	55	1,978	60	139	3,973	2,234	8,052	386
	Proportion	100.0	0.4	0.3	11.7	0.4	0.8	23.4	13.2	47.5	2.3
	Ratio of the year before	98.0	97.1	101.2	100.2	95.3	92.4	90.6	97.3	101.9	99.0
	Contribute ratio/Growth of consumption	-100.0	-0.6	0.2	1.3	-0.9	-3.3	-120.4	-18.4	43.4	-1.2
2012	Consumption	16,770	64	54	1,970	52	129	4,086	2,170	7,867	378
	Proportion	100.0	0.4	0.3	11.7	0.3	0.8	24.4	12.9	46.9	2.3
	Ratio of the year before	98.9	90.6	97.3	99.6	86.4	92.3	102.8	97.1	97.7	97.9
	Contribute ratio/Growth of consumption	-100.0	-3.7	-0.8	-4.4	-4.6	-6.0	63.2	-35.8	-103.3	-4.6
2013	Consumption	16,934	66	52	1,914	47	126	4,132	2,135	8,083	379
	Proportion	100.0	0.4	0.3	11.3	0.3	0.7	24.4	12.6	47.7	2.2
	Ratio of the year before	101.0	102.8	97.3	97.1	90.9	98.0	101.1	98.4	102.7	100.4
	Contribute ratio/Growth of consumption	100.0	1.1	-0.9	-34.5	-2.9	-1.6	28.2	-21.8	131.4	0.9
2014	Consumption	17,091	66	53	1,902	47	123	4,071	1,994	8,449	388
	Proportion	100.0	0.4	0.3	11.1	0.3	0.7	23.8	11.7	49.4	2.3
	Ratio of the year before	100.9	100.7	100.5	99.4	99.9	97.3	98.5	93.4	104.5	102.2
	Contribute ratio/Growth of consumption	100.0	0.3	0.2	-7.7	0.0	-2.2	-38.8	-89.4	232.4	5.3
2015	Consumption	16,984	64	51	1,852	47	110	3,942	1,930	8,617	370
	Proportion	100.0	0.4	0.3	10.9	0.3	0.6	23.2	11.4	50.7	2.2
	Ratio of the year before	99.4	97.5	97.0	97.4	100.4	89.6	96.8	96.8	102.0	95.5
	Contribute ratio/Growth of consumption	-100.0	-1.5	-1.5	-46.6	0.2	-11.9	-120.0	-59.4	157.1	-16.3
2016	Consumption	17,031	65	52	1,818	47	100	3,802	1,940	8,830	378
	Proportion	100.0	0.4	0.3	10.7	0.3	0.6	22.3	11.4	51.8	2.2
	Ratio of the year before	100.3	101.4	101.1	98.2	99.6	90.9	96.4	100.5	102.5	102.2
	Contribute ratio/Growth of consumption	100.0	1.9	1.2	-71.8	-0.4	-21.2	-296.1	20.6	448.6	17.2
2017	Consumption	17,114	67	52	1,774	48	91	3,619	2,034	9,067	362
	Proportion	100.0	0.4	0.3	10.4	0.3	0.5	21.1	11.9	53.0	2.1
	Ratio of the year before	100.5	103.0	100.4	97.6	101.0	90.9	95.2	104.8	102.7	95.6
	Contribute ratio/Growth of consumption	100.0	2.4	0.3	-52.6	0.6	-11.1	-221.7	114.1	288.1	-20.1
2018	Consumption	16,957	70	40	1,772	42	90	3,263	2,230	9,050	399
	Proportion	100.0	0.4	0.2	10.4	0.2	0.5	19.2	13.2	53.4	2.4
	Ratio of the year before	99.1	104.6	77.4	99.9	89.0	99.4	90.1	109.7	99.8	110.2
	Contribute ratio/Growth of consumption	-100.0	2.0	-7.5	-1.6	-3.3	-0.3	-227.3	125.3	-10.7	23.5

Note : -: decrease

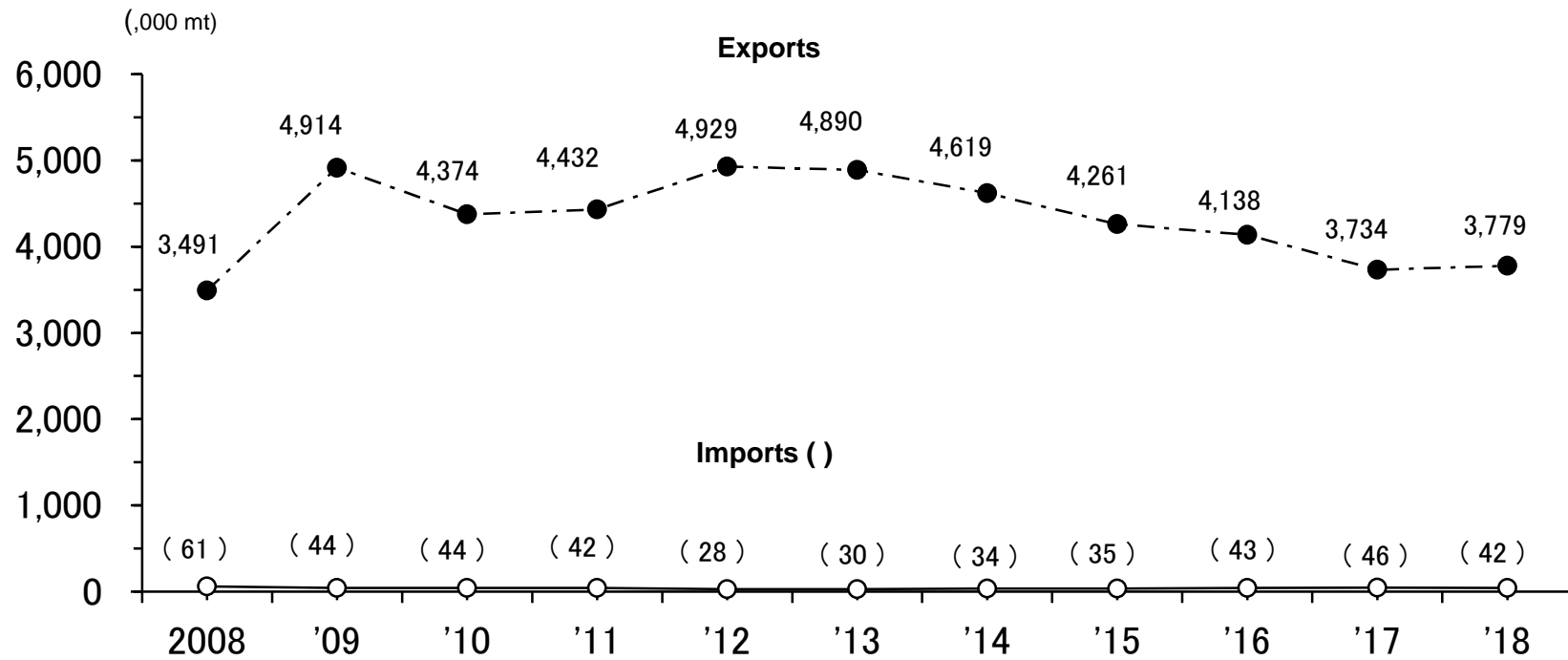
Consumption of recovered paper classified by grades for paper and paperboard

(,000 mt, %)

For	Year	Item	Total	Hard white shavings, white cards	White woody shavings, white manila	Fine paper printed	Kraft browns	Quires woody paper printed	Old newspaper	Old magazines	Old corrugated containers	Box board cuttings	
P a p e r	2015	Consumption	5,748	13	2	1,571	8	96	3,701	349	1	6	
		Ratio	For paper total	100.0	0.2	0.0	27.3	0.1	1.7	64.4	6.1	0.0	0.1
			For consumption	33.8	20.0	3.9	84.9	17.1	87.3	93.9	18.1	0.0	1.6
		Ratio of the year before	96.9	94.2	111.1	97.5	96.5	88.2	97.1	94.7	67.8	154.6	
	Contribute ratio/ Growth of consumption	-100.0	-0.4	0.1	-21.7	-0.2	-7.1	-60.9	-10.6	-0.4	1.2		
	2016	Consumption	5,531	12	2	1,532	8	85	3,550	333	2	5	
		Ratio	For paper total	100.0	0.2	0.0	27.7	0.2	1.5	64.2	6.0	0.0	0.1
			For consumption	32.5	19.1	3.6	84.3	18.0	85.4	93.4	17.2	0.0	1.4
		Ratio of the year before	96.2	96.9	94.1	97.5	104.8	88.9	95.9	95.5	128.6	89.9	
	Contribute ratio/ Growth of consumption	-100.0	-0.2	-0.1	-18.2	0.2	-4.9	-69.5	-7.2	0.2	-0.3		
	2017	Consumption	5,296	14	2	1,490	8	76	3,382	317	2	5	
		Ratio	For paper total	100.0	0.3	0.0	28.1	0.2	1.4	63.9	6.0	0.0	0.1
			For consumption	30.8	21.7	4.1	84.6	19.2	85.2	93.6	14.8	0.0	1.2
		Ratio of the year before	95.8	110.9	89.9	97.3	95.7	89.5	95.3	95.2	113.0	85.8	
	Contribute ratio/ Growth of consumption	-100.0	0.6	-0.1	-17.7	-0.2	-3.8	-71.7	-6.9	0.1	-0.3		
	2018	Consumption	5,042	20	1	1,500	8	77	3,033	397	2	4	
		Ratio	For paper total	100.0	0.4	0.0	29.7	0.2	1.5	60.1	7.9	0.0	0.1
			For consumption	29.7	28.9	3.2	84.7	19.5	85.3	93.0	17.8	0.0	1.0
		Ratio of the year before	91.2	162.8	69.1	97.9	97.5	90.3	85.4	119.0	95.3	74.8	
	Contribute ratio/ Growth of consumption	-100.0	2.5	-0.2	3.8	0.1	0.2	-137.5	31.3	-0.1	-0.2		
P a p e r b o a r d	2015	Consumption	11,236	51	49	280	39	14	241	1,581	8,616	364	
		Ratio	For paperboard total	100.0	0.5	0.4	2.5	0.3	0.1	2.1	14.1	76.7	3.2
			For consumption	66.2	80.0	96.1	15.1	82.9	12.7	6.1	81.9	100.0	98.4
		Ratio of the year before	100.7	98.4	96.5	96.4	101.2	100.7	93.1	97.3	102.0	94.9	
	Contribute ratio/ Growth of consumption	100.0	-1.1	-2.4	-13.9	0.6	0.1	-23.6	-59.0	225.5	-26.1		
	2016	Consumption	11,501	53	50	286	39	15	252	1,606	8,828	373	
		Ratio	For paperboard total	100.0	0.5	0.4	2.5	0.3	0.1	2.2	14.0	76.8	3.2
			For consumption	67.5	80.9	96.4	15.7	82.0	14.6	6.6	82.8	100.0	98.6
		Ratio of the year before	102.4	102.5	101.4	102.0	98.5	104.3	104.4	101.6	102.5	102.4	
	Contribute ratio/ Growth of consumption	100.0	0.5	0.3	2.1	-0.2	0.2	4.0	9.6	80.1	3.3		
	2017	Consumption	11,818	53	50	284	40	14	238	1,716	9,065	357	
		Ratio	For paperboard total	100.0	0.5	0.4	2.4	0.3	0.1	2.0	14.5	76.7	3.0
			For consumption	69.1	79.4	96.8	16.0	83.0	15.9	6.6	84.4	100.0	98.7
		Ratio of the year before	102.8	101.1	100.8	99.4	102.2	98.7	94.4	106.8	102.7	95.8	
	Contribute ratio/ Growth of consumption	100.0	0.2	0.1	-0.5	0.3	-0.1	-4.4	34.7	74.7	-5.0		
	2018	Consumption	11,914	50	39	272	34	13	230	1,834	9,048	395	
		Ratio	For paperboard total	100.0	0.4	0.3	2.3	0.3	0.1	1.9	15.4	75.9	3.3
			For consumption	70.3	71.1	96.8	15.3	80.5	14.7	7.0	82.2	100.0	99.0
		Ratio of the year before	103.6	94.7	78.0	95.1	88.2	90.8	91.3	114.1	102.5	105.8	
	Contribute ratio/ Growth of consumption	100.0	-3.5	-11.7	-12.6	-5.6	-1.2	-8.2	121.1	-17.1	38.8		

Notes : See the table 4 for consumption total. -: decrease

Exports & imports of recovered paper



Exports of recovered paper classified by countries (2018)

Export No.1

(,000 mt, FOB 1,000yen, %)

Grades		Unbleached Kraft paper or paperboard of corrugated paper or paperboard																							
Countries		China		Taiwan		Thailand		Vietnam		Malaysia		Korea		Indonesia		India		Hong Kong		Macau		Ghana		Total	
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	
2017 total	872	22,091,283	344	8,332,930	211	5,070,317	161	3,819,179	18	399,963	36	838,855	7	165,911	1	22,664	0	476			0	5,818	1,651	40,759,963	
Ratio of the year before	80.1	108.3	154.5	205.0	86.2	113.3	77.5	103.7	81.2	98.2	382.4	445.2	469.1	469.5	123.8	137.3	—	—			—	—	91.9	122.5	
Proportion	23.4	24.7	9.2	9.3	5.6	5.7	4.3	4.3	0.5	0.4	1.0	0.9	0.2	0.2	0.0	0.0	0.0	0.0			0.0	0.0	44.2	45.5	
2018 Jan.	51	1,081,253	41	903,236	14	298,972	28	587,462	3	52,161	1	22,898	3	57,693	0	3,302			0	9,114			142	3,016,091	
Feb.	57	1,220,580	15	294,826	24	476,732	22	467,320	3	46,527	1	23,206	2	36,905	0	1,312							123	2,567,408	
Mar.	71	1,378,751	10	181,753	22	398,628	22	413,122	3	46,527	0	6,497			0	2,599					0	6,084	130	2,433,961	
Apr.	104	1,924,340	5	71,895	19	321,994	18	316,575	3	41,696	1	11,671			0	2,408							150	2,690,579	
May	132	2,377,427	16	278,095	16	297,410	10	185,328	2	32,609	0	9,358			0	3,148							178	3,183,375	
Jun.	183	3,740,077	11	193,204	10	206,202	7	133,370	2	28,952	1	19,531			0	764					0	3,723	214	4,325,823	
Jul.	196	4,248,867	8	188,603	8	189,836	2	38,797	0	4,619	0	4,924			0	4,308							215	4,679,954	
Aug.	174	4,136,076	7	157,979	6	168,088	1	18,643			0	7,325			0	2,846							189	4,490,957	
Sep.	153	3,902,579	5	128,814	6	172,718	1	36,223			0	4,153			0	1,600							166	4,246,087	
Oct.	153	4,139,550	10	291,279	5	161,655	1	14,124			0	7,957			0	2,072			0	3,902			169	4,620,539	
Nov.	154	4,559,142	3	98,518	2	70,411	1	23,138			0	2,367			0	3,171							161	4,756,747	
Dec.	144	4,208,361	7	172,282	2	29,878					0	9,288			0	2,493	1	15,142					153	4,437,444	
2018 total	1,574	36,917,003	138	2,960,484	136	2,792,524	114	2,234,102	15	253,091	7	129,175	4	94,598	2	30,023	1	15,142	1	13,016	0	9,807	1,991	45,448,965	
Ratio of the year before	180.5	167.1	40.1	35.5	64.8	55.1	70.5	58.5	85.5	63.3	18.1	15.4	57.9	57.0	136.1	132.5	3,393.3	3,181.1	—	—	137.8	168.6	120.6	111.5	
Proportion	41.6	43.9	3.7	3.5	3.6	3.3	3.0	2.7	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.7	54.0	

Grades		Other paper or paperboard made mainly of bleached chemical pulp, not colored in the mass																							
Countries		China		Vietnam		Indonesia		Korea		Taiwan		Thailand		Ghana		India		Philippines		Bangladesh		USA		Total	
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	
2017 total	50	1,301,339	16	384,122	12	365,188	12	329,555	16	381,620	1	31,021	0	3,677	1	20,895			0	3,942			108	2,826,183	
Ratio of the year before	73.3	87.2	103.7	113.4	358.9	424.8	85.5	94.3	798.6	854.0	777.0	553.8	—	—	99.3	104.5			128.0	138.0			101.8	117.9	
Proportion	1.3	1.5	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0			2.9	3.2	
2018 Jan.	1	28,019	1	28,563	1	37,591	1	25,336	2	46,993	0	6,455	0	2,039	0	1,043			628			7	175,624		
Feb.	5	108,076	1	31,907	2	61,773	1	18,375	1	14,392	0	3,585			0	1,043						10	239,151		
Mar.	3	69,387	1	25,582	3	79,421	1	23,204	1	21,135	0	5,911	0	4,497	0	1,069	0	3,646				10	233,852		
Apr.	5	103,448	2	54,312	4	124,827	1	11,826	1	26,530	1	13,655			0	4,794			0	1,558			14	340,950	
May	6	152,060	2	39,519	2	50,794	1	28,936	1	21,726	1	26,395			0	1,086	0	6,178				14	326,694		
Jun.	6	139,468	1	29,384	3	78,762	1	20,886	2	37,003	1	24,592	0	5,968	0	1,783			0	1,667	0	1,539	13	341,052	
Jul.	7	171,019	2	34,377	3	78,709	2	50,378	1	28,895	0	8,620			0	1,099	0	1,739				15	374,836		
Aug.	5	124,378	2	49,843	1	37,608	1	25,612	1	33,812			0	2,181	0	1,765						11	275,199		
Sep.	5	129,523	2	39,785	1	44,840	1	36,297	1	18,080	0	1,619	0	10,918	0	1,087	0	4,066				11	286,215		
Oct.	6	162,884	2	44,103	2	63,361	1	32,388	1	30,405	0	2,098	0	2,641	0	2,780						13	340,660		
Nov.	8	213,330	2	49,386	1	37,910	2	57,991	2	47,743	0	2,223	0	4,486	0	1,124						13	366,450		
Dec.	6	179,931	4	119,054	0	13,479	2	47,743	0	5,108	0	3,918			0	3,571	0	2,307				13	375,111		
2018 total	63	1,581,523	22	545,815	23	709,075	15	378,972	13	278,971	4	100,261	1	36,648	1	21,201	1	18,564	0	3,225	0	1,539	143	3,675,794	
Ratio of the year before	126.0	121.5	140.8	142.1	198.2	194.2	122.3	115.0	79.7	73.1	390.0	323.2	1084.7	996.7	109.6	101.5	—	—	78.1	81.8	—	—	132.3	130.1	
Proportion	1.7	1.9	0.6	0.6	0.6	0.8	0.4	0.5	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.4	

Note : As to the import data by grade in 2016, it contains data of the other countries.

Export No.2

(METRIC TON, FOB 1,000yen, %)

Grades		Old newspaper																		
Countries	China		Korea		Thailand		Indonesia		Vietnam		Philippines		Tanzania		Pakistan		Republic of the Congo		Total	
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2017 total	145	3,752,282	51	1,292,792	40	1,146,142	24	612,555	5	118,984	0	14,881							266	6,957,148
Ratio of the year before	69.2	84.3	58.1	70.9	107.7	133.5	98.9	118.4	108.8	123.5	80.5	78.5							73.0	89.4
Proportion	3.9	4.2	1.4	1.4	1.1	1.3	0.6	0.7	0.1	0.1	0.0	0.0							7.1	7.8
2018 Jan.	6	161,893	2	63,710	2	65,859	0	7,427	0	1,787	0	1,788							11	302,464
Feb.	8	208,651	2	36,450	3	104,626	1	30,305	0	6,948	0	2,872							15	389,852
Mar.	28	649,338	2	50,459	4	103,720	0	9,502	0	5,988	0	4,757							34	823,764
Apr.	57	1,242,735	1	14,520	1	30,888			0	13,503	0	2,536					0	538	59	1,304,720
May	71	1,591,684	2	44,755	1	31,745	0	5,211	0	2,025	0	3,463							75	1,678,883
Jun.	69	1,606,540	4	87,109	1	14,036	2	39,257			0	1,848	0	209	0	287			75	1,749,286
Jul.	64	1,580,458	6	140,691	0	4,222	1	31,403			0	1,343	0	230					71	1,758,347
Aug.	49	1,294,332	5	122,925	0	10,814	1	26,782	0	1,546	0	2,824	0	222					55	1,459,445
Sep.	34	923,843	3	75,242	0	15,959	0	7,497	0	1,199	0	1,578							37	1,025,318
Oct.	36	1,128,266	1	32,544	0	4,668	0	7,006			0	3,116							37	1,175,600
Nov.	42	1,488,705	1	18,433	0	2,817					0	3,202							43	1,513,157
Dec.	37	1,307,482	1	37,832	1	35,597					0	1,172							40	1,382,083
2018 total	501	13,183,927	30	724,670	14	424,951	7	164,390	1	32,996	1	30,499	0	661	0	287	0	538	553	14,562,919
Ratio of the year before	345.3	351.4	57.6	56.1	34.8	37.1	28.4	26.8	23.9	27.7	210.9	205.0	—	—	—	—	—	—	207.7	209.3
Proportion	13.2	15.7	0.8	0.9	0.4	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	17.3

Grades		Other paper or paperboard made mainly of bleached mechanical pulp																		
Countries	China		Korea		Indonesia		Taiwan		Vietnam		Thailand		Malaysia		Philippines		India		Total	
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2017 total	665	15,529,959	112	2,337,253	56	1,200,085	16	326,585	8	188,368	5	95,916	2	37,635			0	709	865	19,750,424
Ratio of the year before	85.0	103.2	92.1	104.1	87.0	95.7	511.5	527.2	181.8	201.7	165.5	150.5	7,633.3	7,775.8			—	—	88.4	105.2
Proportion	17.8	17.3	3.0	2.6	1.5	1.3	0.4	0.4	0.2	0.2	0.1	0.1	0.0	0.0			0.0	0.0	23.2	22.0
2018 Jan.	27	474,469	17	306,590	7	136,142	7	125,399	1	35,637	2	27,237	0	6,723					60	1,112,197
Feb.	28	524,552	9	145,635	10	179,462	2	32,994	3	47,408	2	30,011	1	20,092					55	980,154
Mar.	31	574,316	8	93,601	7	103,324	5	61,586	2	40,493	3	36,028	1	13,828					56	923,176
Apr.	45	775,386	10	101,809	11	137,445	4	37,968	4	79,020	4	40,233	1	19,807					79	1,191,668
May	51	858,568	12	112,141	3	34,017	4	45,082	3	58,645	7	75,089	1	8,780					81	1,192,322
Jun.	55	965,892	12	148,058	6	89,341	4	40,648	2	28,179	4	44,943	1	20,456	0	4,890			84	1,342,407
Jul.	43	778,661	14	210,785	6	108,954	2	23,202	1	19,923	2	21,804	1	9,853	0	2,583	0	1,440	68	1,177,205
Aug.	28	519,072	11	195,795	7	138,638	1	16,741	0	11,573	1	7,468	1	10,050					50	899,337
Sep.	21	425,196	12	231,591	7	145,763	1	25,249	1	16,560	1	7,253	0	1,432	0	1,608			43	854,652
Oct.	30	633,513	14	281,294	6	140,991	1	19,632	0	1,785	0	1,990							51	1,079,205
Nov.	28	649,935	14	304,035	4	102,285			1	22,762	0	2,689							47	1,081,706
Dec.	31	741,225	11	210,341	6	158,162			1	34,757	0	5,909	1	14,067					51	1,164,461
2018 total	418	7,920,785	142	2,341,675	80	1,474,524	31	428,501	20	396,742	25	300,654	7	125,088	1	9,081	0	1,440	724	12,998,490
Ratio of the year before	62.8	51.0	126.6	100.2	144.2	122.9	188.5	131.2	261.6	210.6	485.9	313.5	392.0	332.4	—	—	—	—	83.7	65.8
Proportion	11.1	9.4	3.7	2.8	2.1	1.8	0.8	0.5	0.5	0.5	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	19.2	15.5

Note : As to the import data by grade in 2016, it contains data of the other countries.

Grades	Other, including unsorted waste and scrap																												
	China		Korea		Vietnam		Thailand		Indonesia		Taiwan		Malaysia		Philippines		India		Pakistan		USA		Ghana		Australia		Total		
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	
2017 total	708	16,095,201	73	1,651,466	35	927,937	13	353,089	4	89,410	9	132,229	0	2,105			0	6,377	0	23,241								843	19,288,513
Ratio of the year before	92.3	106.9	108.0	121.7	114.9	135.5	130.1	164.2	43.3	50.0	170.1	288.9	175.0	91.7			191.8	200.8	—	—								94.7	109.9
Proportion	19.0	18.0	2.0	1.8	0.9	1.0	0.3	0.4	0.1	0.1	0.2	0.1	0.0	0.0			0.0	0.0	0.0	0.0								22.6	21.5
2018 Jan.	15	280,893	7	140,437	3	81,506	1	19,722	0	7,728	1	20,464																27	550,750
Feb.	17	324,457	6	120,019	4	80,821	1	22,874	1	10,003	0	5,635	1	11,807														29	575,616
Mar.	9	162,688	7	107,746	4	82,660	2	42,959	0	6,469	2	23,908	1	13,946			0	720										25	441,096
Apr.	18	335,826	5	69,897	5	95,411	2	40,095	3	40,385	2	15,651	1	16,868			0	613	0	2,452								36	620,230
May	17	312,711	10	125,683	5	93,323	3	60,589	1	14,761	1	10,143	0	5,586			0	644	0	4,602								37	628,042
Jun.	18	345,662	6	96,848	5	91,782	3	44,230	2	37,915	1	7,174	1	17,702			0	1,034			0	11,388					35	653,735	
Jul.	16	319,181	7	142,962	3	55,896	2	36,064	2	42,701	1	18,003	1	12,995	0	6,261					0	1,829						32	635,892
Aug.	17	341,134	7	148,355	4	96,934	1	15,437	3	57,847	1	19,363	1	14,258	0	8,609												34	701,937
Sep.	15	333,714	7	142,177	3	71,053	1	16,279	3	59,006	1	13,517	0	5,035	0	2,756	0	4,270						0	693		30	648,500	
Oct.	14	322,238	8	183,155	3	71,330	1	16,843	1	30,248	0	891	0	1,838	0	3,378	0	4,558			0	7,934					28	642,413	
Nov.	14	348,358	6	144,821	2	56,659	1	23,805	1	17,366	0	2,386			0	5,848	0	1,566			0	3,580					25	604,389	
Dec.	17	435,027	6	130,203	4	101,994	1	31,193	1	19,126	1	19,126			0	5,977					0	5,237					29	728,757	
2018 total	185	3,861,889	82	1,552,303	46	979,369	18	370,090	17	343,555	11	137,135	6	100,035	1	35,861	1	13,405	0	7,054	1	13,217	0	16,751	0	693	368	7,431,357	
Ratio of the year before	26.2	24.0	111.9	94.0	131.5	105.5	143.6	104.8	416.6	384.2	120.0	103.7	4583.3	4752.3	—	—	193.6	210.2	46.3	30.4	—	—	—	—	—	—	43.6	38.5	
Proportion	4.9	4.6	2.2	1.8	1.2	1.2	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	8.8	

Note : As to the import data by grade in 2016, it contains data of the other countries.

Countries	Total by country																	Total		
	China		Korea		Vietnam		Thailand		Taiwan		Indonesia		Malaysia		India		Other		Qty.	Val.
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2017 total	2,440	58,770,064	285	6,449,921	224	5,438,590	270	6,696,485	386	9,192,876	102	2,433,149	20	439,703	3	50,645	3	109,224	3,734	89,580,657
Ratio of the year before	83.7	104.1	94.6	108.1	85.6	111.1	91.6	119.2	165.2	217.2	100.3	117.5	89.6	107.2	125.3	127.6	96.4	110.4	90.2	112.3
Proportion	65.4	65.6	7.6	7.2	6.0	6.1	7.2	7.5	10.3	10.3	2.7	2.7	0.5	0.5	0.1	0.1	0.1	0.1	100.0	100.0
2018 Jan.	100	2,026,527	28	558,971	34	734,955	19	418,245	51	1,096,092	11	246,581	3	58,884	0	3,302	1	13,569	247	5,157,126
Feb.	114	2,386,316	19	343,685	30	634,404	31	637,828	18	347,847	15	318,448	4	78,426	0	2,355	0	2,872	232	4,752,181
Mar.	142	2,834,480	18	281,507	30	567,845	31	587,246	18	288,382	11	198,716	4	74,301	0	4,388	1	18,984	256	4,855,849
Apr.	228	4,381,735	17	209,723	30	558,821	27	446,865	12	152,044	18	302,657	5	78,371	0	7,815	0	10,116	339	6,148,147
May	277	5,292,450	25	320,873	21	378,840	29	491,228	23	355,046	6	104,783	3	46,975	0	4,878	1	14,243	385	7,009,316
Jun.	331	6,797,639	23	372,432	14	282,715	19	334,003	17	278,029	12	245,275	4	67,110	0	3,581	1	31,519	422	8,412,303
Jul.	325	7,098,186	29	549,740	7	148,993	12	260,546	13	258,703	12	261,767	2	27,467	0	6,847	1	13,985	401	8,626,234
Aug.	274	6,414,992	24	500,012	8	178,539	8	201,807	10	227,895	12	260,875	1	24,308	0	4,611	0	13,836	338	7,826,875
Sep.	228	5,714,855	23	489,460	7	164,820	8	213,828	8	185,660	11	257,106	0	6,467	0	6,957	1	21,619	286	7,060,772
Oct.	239	6,386,451	25	537,338	6	131,342	6	187,254	12	342,207	10	241,606	0	1,838	0	9,410	1	20,971	298	7,858,417
Nov.	247	7,259,470	23	527,647	6	151,945	4	101,945	3	100,904	6	157,561	0	0	0	5,861	0	17,116	290	8,322,449
Dec.	236	6,872,026	20	435,407	10	255,805	4	107,685	7	172,282	8	190,767	1	14,067	0	6,064	1	33,753	285	8,087,856
2018 total	2,741	63,465,127	275	5,126,795	203	4,189,024	198	3,988,480	193	3,805,091	131	2,786,142	28	478,214	4	66,069	7	212,583	3,779	84,117,525
Ratio of the year before	112.3	108.0	96.4	79.5	90.5	77.0	73.4	59.6	49.9	41.4	128.3	114.5	141.9	108.8	139.9	130.5	196.6	194.6	101.2	93.9
Proportion	72.5	75.4	7.3	6.1	5.4	5.0	5.2	4.7	5.1	4.5	3.5	3.3	0.8	0.6	0.1	0.1	0.2	0.3	100.0	100.0

Imports of recovered paper classified by countries (2018) ※Unit of this statistics uses metric ton

Import No.1

(METRIC TON, CIF 1,000yen, %)

Grades	Old corrugated containers															
	USA		Netherland		Philippines		Italy		Canada		UK		Spain		Total	
Countries	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2017 total	9,432	335,871	187	6,396	674	20,176									10,337	363,906
Ratio of the year before	84.3	102.4	192.8	230.4	228.5	287.0									88.7	107.1
Proportion	21.7	18.9	0.4	0.4	1.6	1.1									23.8	20.5
2018 Jan.	942	32,918			225	7,100									1,167	40,018
Feb.	1,133	38,197	139	4,421	119	3,797									1,391	46,415
Mar.	903	28,749	140	4,347											1,043	33,096
Apr.	605	18,102	134	4,138											739	22,240
May	707	22,617	263	7,790											970	30,407
Jun.	598	19,428													598	19,428
Jul.	468	15,666	144	4,428											612	20,094
Aug.	692	22,920	92	2,824											784	25,744
Sep.	340	11,313													340	11,313
Oct.	844	28,748	39	1,231											883	29,979
Nov.	1,637	81,463	80	2,506	100	2,945	101	2,107	140	3,191	96	2,091			2,154	94,303
Dec.	798	33,895	139	4,672			100	2,075			50	1,096	48	1,618	1,135	43,356
2018 total	9,667	354,016	1,170	36,357	444	13,842	201	4,182	140	3,191	146	3,187	48	1,618	11,816	416,393
Ratio of the year before	102.5	105.4	625.7	568.4	65.9	68.6	—	—	—	—	—	—	—	—	114.3	114.4
Proportion	23.0	17.5	2.8	1.8	1.1	0.7	0.5	0.2	0.3	0.2	0.3	0.2	0.1	0.1	28.1	20.6

Grades	Unbleached kraft paper and paperboard						Other paper or paperboard made mainly of bleached chemical pulp,											
	USA		China		Total		USA		Canada		Singapore		Uruguay		Israel		Total	
Countries	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2017 total	189	11,105			279	12,356	25,845	1,305,020	152	3,006							26,497	1,329,800
Ratio of the year before	75.0	79.3			43.7	64.8	98.0	103.9	—	—							95.6	101.8
Proportion	0.4	0.6			0.6	0.7	59.5	73.5	0.4	0.2							61.0	74.9
2018 Jan.							1,924	106,333	42	581							1,966	106,914
Feb.							1,775	97,028	44	580					24	735	1,843	98,343
Mar.	48	3,034			48	3,034	2,077	110,945	44	575							2,121	111,520
Apr.							2,620	140,879	116	1,481							2,736	142,360
May							2,424	137,665									2,424	137,665
Jun.							2,564	145,483	118	1,566							2,682	147,049
Jul.							2,765	160,415	25	335							2,790	160,750
Aug.							3,004	176,824	93	1,248							3,097	178,072
Sep.			0	264	0	264	1,255	74,010	25	344							1,280	74,354
Oct.	23	1,284			23	1,284	2,206	139,464	43	591	90	1,218					2,339	141,273
Nov.	44	2,345			44	2,345	1,568	101,215			54	736	49	2,892			1,671	104,843
Dec.							501	34,531			68	916					569	35,447
2018 total	115	6,663	0	264	115	6,927	24,683	1,424,792	550	7,301	212	2,870	49	2,892	24	735	25,518	1,438,590
Ratio of the year before	60.8	60.0	—	—	41.2	56.1	95.5	109.2	361.8	242.9	—	—	—	—	—	—	96.3	108.2
Proportion	0.3	0.3	0.0	0.0	0.3	0.3	58.8	70.5	1.3	0.4	0.5	0.1	0.1	0.1	0.1	0.0	60.8	71.2

Note : As to the import data by grade in 2016, it contains data of the other countries.

Import No.2

(METRIC TON, CIF 1,000yen, %)

Grades	Old newspaper										Paper or paperboard made mainly of mechanical pulp					
	Italy		USA		Chile		Australia		Total		USA		Australia		Total	
Countries	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2017 total	5,510	176,206	801	26,231	43	1,121	74	1,601	6,714	214,621	41	1,190			41	1,190
Ratio of the year before	398.4	502.7	1,907.1	1,568.8	—	—	—	—	467.9	573.5	136.7	214.0			136.7	214.0
Proportion	12.7	9.9	1.8	1.5	0.1	0.1	0.2	0.1	15.5	12.1	0.1	0.1			0.1	0.1
2018 Jan.	300	8,834	42	1,011			70	1,590	412	11,435			19	517	19	517
Feb.	149	4,161							149	4,161						
Mar.	301	8,227							301	8,227	0	203			0	203
Apr.	454	12,004					94	1,748	548	13,752						
May	102	2,674							102	2,674						
Jun.																
Jul.																
Aug.																
Sep.					44	916			44	916						
Oct.	196	6,671			188	3,982			384	10,653						
Nov.					168	3,524			168	3,524						
Dec.	47	1,615			62	1,319			109	2,934						
2018 total	1,549	44,186	42	1,011	462	9,741	164	3,338	2,217	58,276	0	203	19	517	19	720
Ratio of the year before	28.1	25.1	5.2	3.9	1,074.4	869.0	221.6	208.5	33.0	27.2	0.0	17.1	—	—	46.3	60.5
Proportion	3.7	2.2	0.1	0.1	1.1	0.5	0.4	0.2	5.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0

Grades	Other, including unsorted waste and scrap															
	Taiwan		USA		Canada		China		Malaysia		France		Netherland		Total	
Countries	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2017 total	1,865	65,113	625	26,673	21	251	64	7,782	47	12,801					2,622	112,620
Ratio of the year before	108.3	119.6	1,096.5	1,400.9	—	—	78.0	95.0	204.3	211.9					134.9	155.0
Proportion	4.3	3.7	1.4	1.5	0.0	0.0	0.1	0.4	0.1	0.7					6.0	6.3
2018 Jan.	181	6,480			45	618			6	1,798					232	8,896
Feb.	118	4,152					15	1,735	5	1,965					138	7,852
Mar.	181	6,140			47	610			7	861					228	6,750
Apr.	133	4,576							5	1,499					145	6,936
May	188	6,733							15	2,153					208	10,358
Jun.	143	5,157							7	1,059					155	7,869
Jul.	193	6,976							15	2,133					208	9,109
Aug.	167	6,130	39	1,487	22	274	7	1,084	6	1,593					241	10,568
Sep.	94	3,427			23	283			4	1,519					121	5,229
Oct.	161	5,916	22	858					6	1,721	46	572	21	270	256	9,337
Nov.	69	2,548	82	2,195					5	1,678					164	7,637
Dec.	159	5,886	60	2,513											219	8,399
2018 total	1,787	64,121	203	7,053	137	1,785	74	10,241	47	14,898	46	572	21	270	2,315	98,940
Ratio of the year before	95.8	98.5	32.5	26.4	652.4	711.2	115.6	131.6	100.0	116.4	—	—	—	—	88.3	87.9
Proportion	4.3	3.2	0.5	0.3	0.3	0.1	0.2	0.5	0.1	0.7	0.1	0.0	0.1	0.0	5.5	4.9

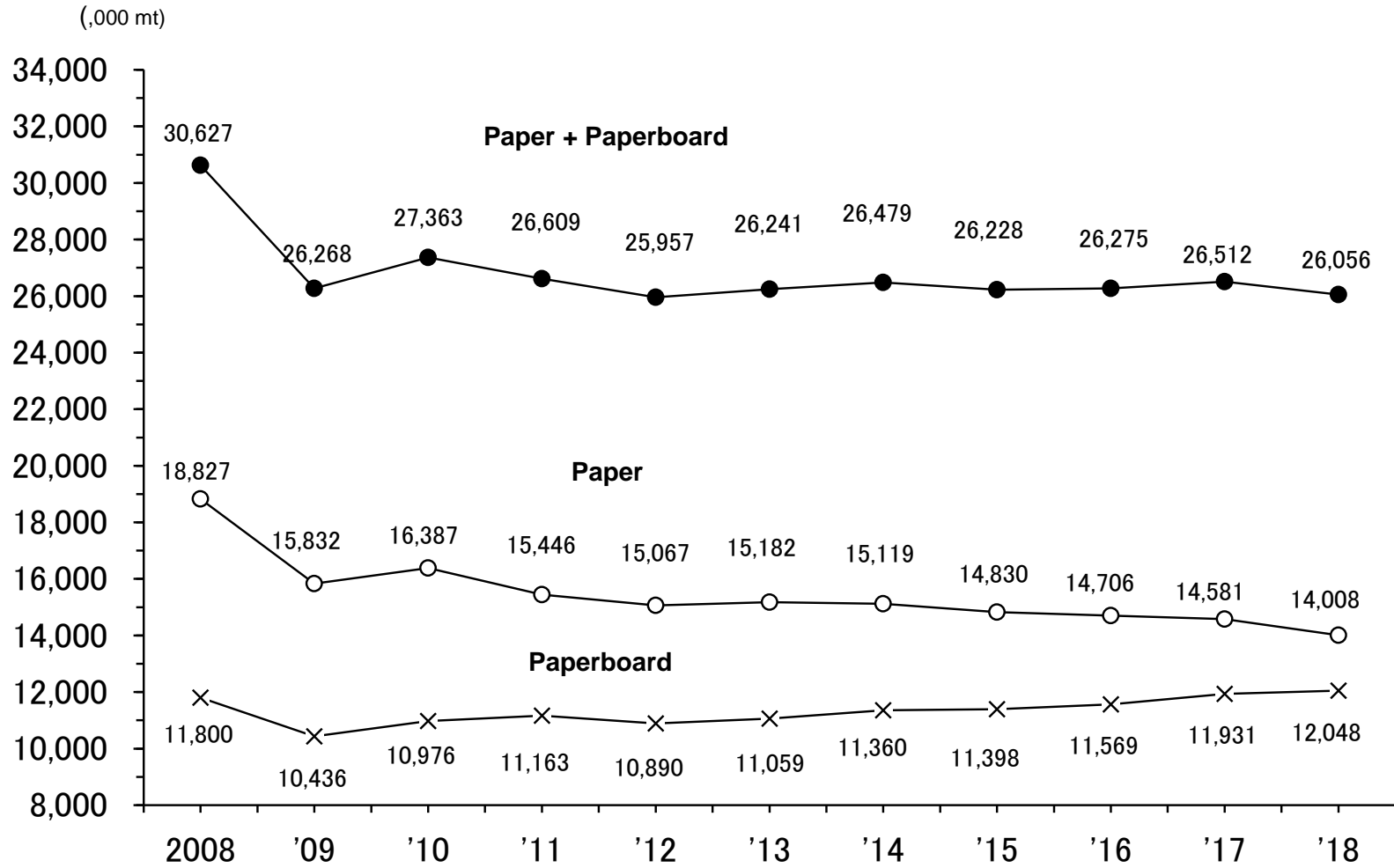
Note : As to the import data by grade in 2016, it contains data of the other countries.

Import No.3

(METRIC TON, CIF 1,000yen, %)

Countries	Total by country																Total	
	USA		Taiwan		Italy		Netherland		Canada		Philippines		China		Other		Qty.	Val.
Year, Mon.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.	Qty.	Val.
2017 total	36,933	1,706,090	2,176	77,522	5,510	176,206	187	6,396	263	4,508	694	21,726	117	10,415	610	31,868	43,419	1,776,175
Ratio of the year before Proportion	97.3	106.5	121.6	136.6	391.9	493.1	159.8	191.6	68.0	89.1	227.5	281.1	88.6	96.6	46.1	58.5	124.4	106.1
	85.1	96.1	5.0	4.4	12.7	9.9	0.4	0.4	0.6	0.3	1.6	1.2	0.3	0.6	1.4	1.8	100.0	100.0
2018 Jan.	2,927	140,779	181	6,480	300	8,834	87	1,199	225	7,100	76	3,388	3,796	167,780				
Feb.	2,908	135,225	118	4,152	149	4,161	139	4,421	44	580	119	3,797	15	1,735	29	2,700	3,521	156,771
Mar.	3,028	142,728	181	6,140	301	8,227	140	4,347	91	1,185	0	203	3,741	162,830				
Apr.	3,225	158,981	133	4,576	454	12,004	134	4,138	116	1,481	7	861	99	3,247	4,168	185,288		
May	3,131	160,282	188	6,733	102	2,674	263	7,790			15	2,153	5	1,472	3,704	181,104		
Jun.	3,162	164,911	143	5,157					118	1,566	7	1,059	5	1,653	3,435	174,346		
Jul.	3,233	176,081	193	6,976			144	4,428	25	335	15	2,133			3,610	189,953		
Aug.	3,735	201,231	167	6,130			92	2,824	115	1,522	7	1,084	6	1,593	4,122	214,384		
Sep.	1,595	85,323	94	3,427					48	627	0	264	48	2,435	1,785	92,076		
Oct.	3,095	170,354	161	5,916	196	6,671	60	1,501	43	591			330	7,493	3,885	192,526		
Nov.	3,331	187,218	69	2,548	101	2,107	80	2,506			100	2,945	8	1,216	512	14,112	4,201	212,652
Dec.	1,359	70,939	159	5,886	147	3,690	139	4,672					228	4,949	2,032	90,136		
2018 total	34,729	1,794,052	1,787	64,121	1,750	48,368	1,191	36,627	687	9,086	444	13,842	74	10,505	1,338	43,245	42,000	2,019,846
Ratio of the year before Proportion	94.0	105.2	82.1	82.7	31.8	27.4	636.9	572.7	261.2	201.6	64.0	63.7	63.2	100.9	219.3	135.7	96.7	113.7
	82.7	88.8	4.3	3.2	4.2	2.4	2.8	1.8	1.6	0.4	1.1	0.7	0.2	0.5	3.2	2.1	100.0	100.0

Paper & paperboard production



General situation of paper & paperboard production and shipment (2018)

(,000 mt ,%)

Grades	Production		Shipment	
		Ratio for the Year before %		Ratio for the Year before %
Total	26,056	98.3	26,281	99.3
Paper total	14,008	96.1	14,187	97.7
Newsprint	2,594	93.3	2,609	93.9
Printing and communication paper	7,871	95.5	8,035	98.3
Wrapping paper	897	100.0	898	100.7
Sanitary paper	1,776	99.5	1,779	99.4
Miscellaneous paper	870	99.2	867	98.5
Paperboard total	12,048	101.0	12,094	101.1
Liner and corrugating medium	9,765	100.9	9,805	101.0
White paperboard	1,474	101.3	1,479	101.4
Patent coated paperboard	141	99.1	145	101.1
Building board	205	99.8	204	99.4
Other paperboard	463	103.5	462	103.7

Production of paper & paperboard

(,000 mt, %)

Year \ Grades	2013		2014		2015		2016		2017		2018	
	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before
Newsprint	3,219	98.9	3,134	97.4	2,985	95.2	2,906	97.4	2,779	95.6	2,594	93.3
Printing and communication paper	8,576	101.9	8,491	99.0	8,384	98.7	8,309	99.1	8,242	99.2	7,871	95.5
Wrapping paper	880	101.0	905	102.9	891	98.4	877	98.4	896	102.2	897	100.0
Sanitary paper	1,747	98.9	1,767	0	1,766	99.9	1,807	102.4	1,786	98.8	1,776	99.5
Miscellaneous paper	760	100.5	821	108.0	804	97.9	807	100.3	877	108.8	870	99.2
Paper total	15,181	100.8	15,118	99.6	14,830	98.1	14,706	99.2	14,581	99.1	14,008	96.1
Liner and corrugating medium	8,805	101.9	9,096	103.3	9,187	101.0	9,364	101.9	9,682	103.4	9,765	100.9
White paperboard	1,449	98.6	1,445	99.7	1,424	98.6	1,435	100.8	1,455	101.4	1,474	101.3
Patent coated paperboard	148	102.4	148	100.4	146	98.5	141	96.5	142	100.9	141	99.1
Building board	214	103.5	214	100.3	203	94.6	198	98.0	206	103.6	205	99.8
Other paperboard	443	102.7	457	103.1	439	96.0	431	98.1	447	103.7	463	103.5
Paperboard total	11,059	101.6	11,360	102.7	11,398	100.3	11,569	101.5	11,931	103.1	12,048	101.0
Total	26,241	101.1	26,479	100.9	26,228	99.1	26,275	100.2	26,512	100.9	26,056	98.3

Year \ Grades	2013		2014		2015		2016		2017		2018	
	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before	Production	Ratio of the year before
Business form paper	242	95.6	251	103.4	232	92.7	235	101.2	235	100.0	229	97.3
Plain paper copier	753	95.8	808	107.3	816	100.9	831	101.9	814	97.9	797	98.0
Total	996	95.8	1,059	106.3	1,048	99.0	1,066	101.7	1,049	98.4	1,026	97.8

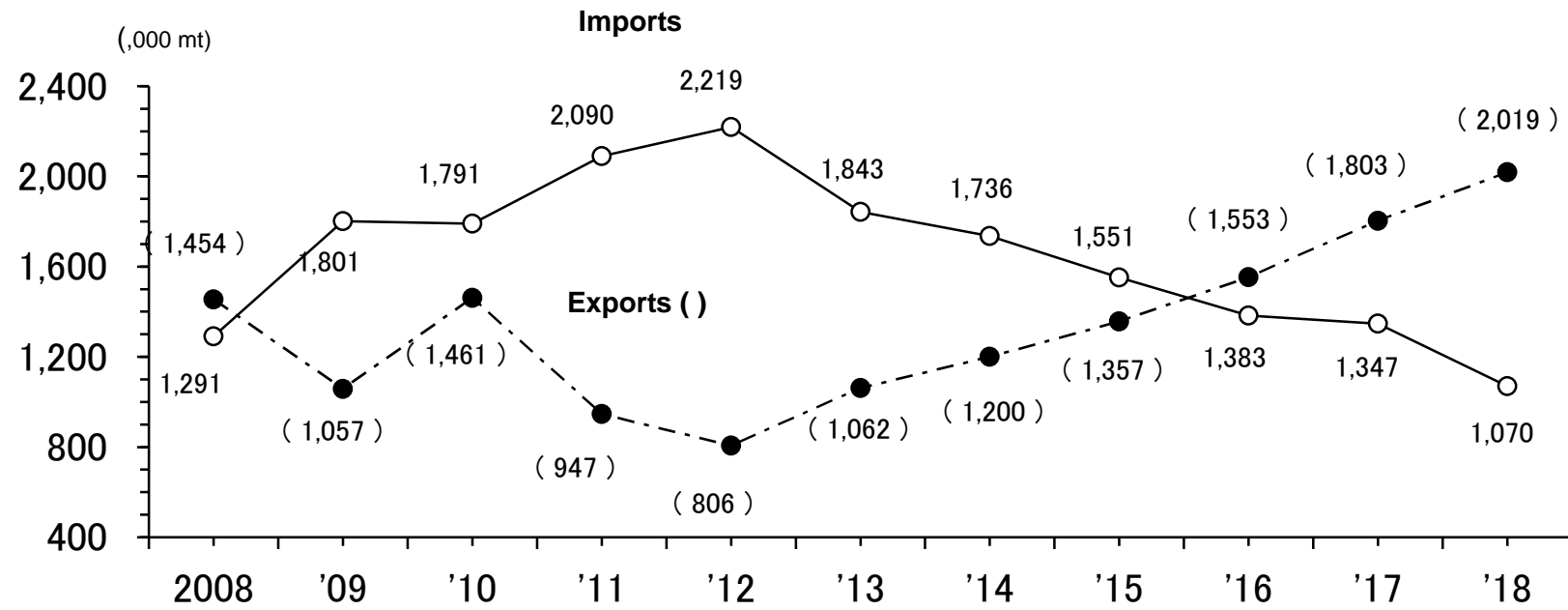
Shipment of paper & paperboard

(METRIC TON, %)

Year \ Grades	2013		2014		2015		2016		2017		2018	
	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before
Newsprint	3,208	98.3	3,142	97.9	2,995	95.3	2,910	97.2	2,777	95.4	2,609	93.9
Printing and communication paper	8,712	104.8	8,443	96.9	8,355	99.0	8,312	99.5	8,178	98.4	8,035	98.3
Wrapping paper	881	102.7	911	103.5	875	96.1	888	101.4	891	100.4	898	100.7
Sanitary paper	1,752	99.0	1,765	100.7	1,767	100.1	1,807	102.2	1,790	99.1	1,779	99.4
Miscellaneous paper	759	100.5	814	107.2	803	98.7	810	100.8	880	108.6	867	98.5
Paper total	15,312	102.4	15,075	98.5	14,797	98.2	14,726	99.5	14,516	98.6	14,187	97.7
Liner and corrugating medium	8,856	102.8	9,050	102.2	9,125	100.8	9,364	102.6	9,711	103.7	9,805	101.0
White paperboard	1,450	99.2	1,446	99.7	1,416	98.0	1,436	101.4	1,458	101.6	1,479	101.4
Patent coated paperboard	145	101.6	146	100.7	145	99.0	143	99.0	143	100.0	145	101.1
Building board	213	103.0	213	100.0	201	94.1	200	99.7	205	102.6	204	99.4
Other paperboard	445	103.2	451	101.3	437	96.8	433	99.1	446	102.9	462	103.7
Paperboard total	11,110	102.3	11,306	101.8	11,323	100.2	11,576	102.2	11,963	103.3	12,094	101.1
Total	26,422	102.3	26,381	99.8	26,120	99.0	26,302	100.7	26,479	100.7	26,281	99.3

Year \ Grades	2013		2014		2015		2016		2017		2018	
	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before	Shipment	Ratio of the year before
Business form paper	247	99.2	247	100.1	230	93.2	237	103.1	231	97.5	234	101.0
Plain paper copier	766	99.6	807	105.3	806	99.8	824	102.3	810	98.3	815	100.6
Total	1,013	99.5	1,054	104.1	1,036	98.2	1,061	102.5	1,041	98.1	1,048	100.7

Exports & imports of paper and paperboard



Exports of paper & paperboard ※Unit of this statistics uses metric ton

(METRIC TON, FOB, 1,000yen)

Grades	2018		2017		Ratio of the year before (%)	
	Qty.	Val.	Qty.	Val.	Qty.	Val.
Newspaper	3,820	251,820	3,880	180,791	98.5	139.3
Printing paper (fine)	252,949	23,897,346	189,877	17,010,760	133.2	140.5
Printing paper (colored)	16,710	2,412,882	29,665	3,508,737	56.3	68.8
Printing paper (thin paper)	12,927	1,695,274	10,383	1,337,025	124.5	126.8
Printing paper (other)	7,884	711,491	2,947	403,290	267.5	176.4
Other graphic purposes	13,217	1,471,121	12,709	1,390,446	104.0	105.8
Coated paper	596,105	52,954,177	449,220	38,551,615	132.7	137.4
Coated wood contained paper	134,627	10,083,941	155,464	10,781,983	86.6	93.5
Sack kraft paper	81,321	7,028,026	83,970	6,476,018	96.8	108.5
Other kraft paper	170,449	26,194,326	159,651	24,276,574	106.8	107.9
Sulphite wrapping paper	0	1,755	22	4,734	1.7	37.1
Cigarette paper	1,003	413,931	1,543	680,678	65.0	60.8
Glassine paper	7,374	1,678,221	5,785	1,196,627	127.5	140.2
Tracing paper	8	14,860	11	22,344	74.2	66.5
Parchment paper, grease proof paper	1,268	362,925	848	280,937	149.5	129.2
Other paper	94,848	20,598,807	73,488	18,506,107	129.1	111.3
Paper Total	1,394,511	149,770,903	1,179,465	124,608,666	118.2	120.2
Kraft liner	25,297	1,326,126	34,979	1,727,345	72.3	76.8
Test liner	329,841	17,572,154	248,989	12,604,672	132.5	139.4
Corrugating medium (SCP)	6,412	308,449	44,900	1,661,552	14.3	18.6
Corrugating medium (other)	197,030	9,329,106	236,226	10,568,053	83.4	88.3
Coated white paperboard (CP95%)	1,203	173,000	812	118,942	148.2	145.4
Coated white paperboard (other)	32,303	2,903,835	22,514	2,138,383	143.5	135.8
Uncoated white paperboard (CP95%)	1,869	201,366	1,519	160,110	123.1	125.8
Uncoated white paperboard (other)	511	61,258	241	54,103	212.2	113.2
Kraft paperboard (unbleached)	3,128	536,105	4,714	934,442	66.4	57.4
Color paperboard	2,220	222,481	1,606	150,278	138.2	148.0
Other paperboards	25,061	4,064,500	27,398	4,610,960	91.5	88.1
Paperboard Total	624,876	36,698,380	623,897	34,728,840	100.2	105.7
Paper and Paperboard Total	2,019,387	186,469,283	1,803,362	159,337,506	112.0	117.0
Hand made paper and paperboard	180	221,819	132	181,258	136.3	122.4
Self-copy paper	10,593	1,341,360	6,034	909,500	175.5	147.5
Thermal transfer paper	70	120,986	129	112,683	54.8	107.4
Cellophane	6,839	3,770,686	6,487	3,714,494	105.4	101.5
Converted paper total	206,896	87,016,412	214,753	89,866,554	96.3	96.8
All Kind of Paper Total	2,243,965	278,940,546	2,030,897	254,121,995	110.5	109.8

Imports of paper & paperboard ※Unit of this statistics uses metric ton

(METRIC TON, CIF, 1,000yen)

Grades	2018		2017		Ratio of the year before (%)	
	Qty.	Val.	Qty.	Val.	Qty.	Val.
Newsprint (of a width exceeding 161cm)	1,927	133,782	5,181	317,274	37.2	42.2
Newsprint (other)	2,606	194,623	5,405	365,125	48.2	53.3
Printing paper (fine)	11,718	1,798,504	17,650	2,298,138	66.4	78.3
Printing paper (copy paper)	457,557	48,484,386	492,145	50,615,220	93.0	95.8
Printing paper (thin paper)	8	12,656	74	17,279	10.2	73.2
Printing paper (other)	43,791	4,009,333	113,296	8,946,142	38.7	44.8
Coated paper	26,907	3,664,688	71,282	6,627,011	37.7	55.3
Coated wood contained paper	166,682	12,419,270	281,741	20,178,178	59.2	61.5
Sack kraft paper (unbleached)	1,199	131,318	1,543	149,251	77.6	88.0
Sack kraft paper (bleached)	799	101,533	919	108,723	86.9	93.4
Other kraft paper (unbleached)	3,353	810,466	4,364	1,043,846	76.8	77.6
Other kraft paper (bleached)	1,278	186,728	1,412	178,984	90.5	104.3
Tracing paper	83	49,802	73	37,780	113.0	131.8
Parchment paper, grease proof paper	8,596	1,901,964	7,708	1,685,590	111.5	112.8
Other paper	30,094	7,943,050	30,551	7,590,642	98.5	104.6
Paper Total	756,598	81,842,103	1,033,346	100,159,183	73.2	81.7
Kraftliner (unbleached)	45,054	3,793,179	37,133	2,879,904	121.3	131.7
Kraftliner (bleached)	1,607	143,341	2,488	190,592	64.6	75.2
Test liner	708	49,803	887	63,752	79.8	78.1
Corrugating medium (SCP)	44	2,834	137	9,316	32.4	30.4
Corrugating medium (other)	283	14,536	167	8,547	169.2	170.1
Coated white paperboard (CP95%)	63,250	8,151,872	68,130	9,044,725	92.8	90.1
Coated white paperboard (other)	147,937	11,684,622	155,625	11,889,320	95.1	98.3
Uncoated white paperboard (CP95%)	13,701	1,822,550	12,982	1,666,314	105.5	109.4
Uncoated white paperboard (other)	8,643	1,031,155	9,142	1,021,639	94.6	100.9
Kraft paperboard	15,902	1,604,119	15,996	1,596,513	99.4	100.5
Other paperboards	16,313	2,256,336	11,411	1,562,471	143.0	144.4
Paperboard Total	313,443	30,554,347	314,097	29,933,093	99.8	102.1
Paper and Paperboard Total	1,070,041	112,396,450	1,347,443	130,092,276	79.4	86.4
Hand made paper and paperboard	1,012	1,390,261	1,094	1,350,223	92.5	103.0
Paper for milk carton	185,113	30,242,454	187,019	29,507,315	99.0	102.5
Other converted paper total	81,572	28,228,193	92,183	30,357,151	88.5	93.0
All Kind of Paper Total	1,337,738	172,257,358	1,627,738	191,306,965	82.2	90.0

Grade classification of recovered paper

Paper Recycling Promotion Center
 Enacted: March, 1979
 Revised: Jun. 15, 2000
 Revised: Sept. 30, 2004
 Revised: Sept. 29, 2008
 Revised: Apr. 22, 2010
 Revised: Jan. 29, 2015
 Revised: May. 26, 2016

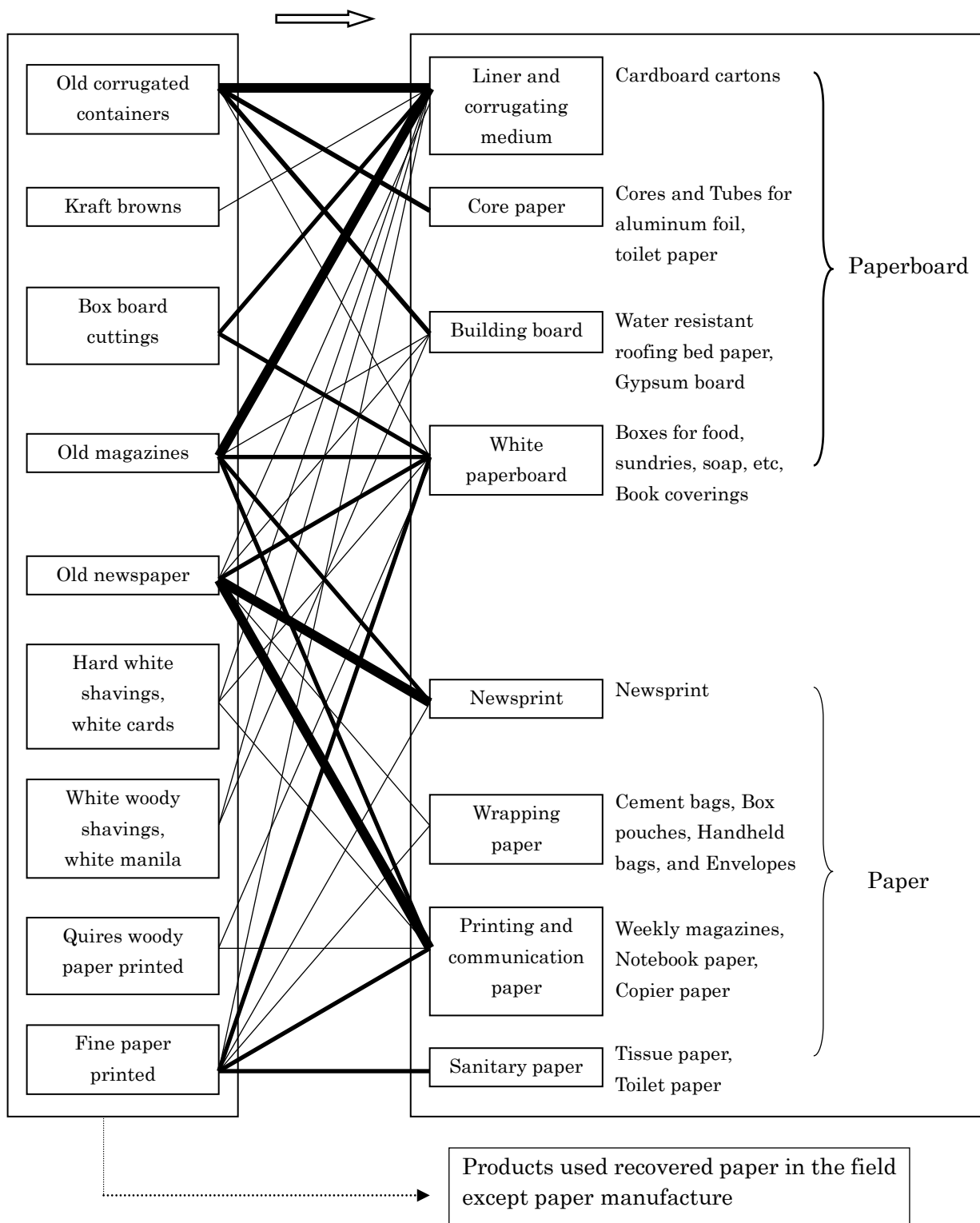
Statistical Group	No.	Grade	Description
Hard white shavings, white card	1	White shavings	Shavings or sheets of white unprinted wood-free paper collected from bookbinders, printers, and sheet cutting facilities.
	2	Cream shavings	Shavings or sheets of cream-colored unprinted wood-free paper collected from bookbinders, printers, and sheet cutting facilities.
	3	Ruled-paper shavings	Shavings or sheets of white or cream-colored unprinted wood-free paper with red or blue ruling or register marks, collected from bookbinders, printers, and sheet cutting facilities.
White woody shavings, white manila	4	High-grade white wood-containing shavings	Shavings or sheets of white unprinted high-grade wood-containing paper collected from bookbinders, printers, and sheet cutting facilities.
	5	White wood-containing shavings	Shavings or sheets of white unprinted groundwood paper collected from bookbinders, printers, and newspaper printing plants.
Fine paper printed (incl. coated paper)	6	White ledger	White wood-free paper printed with black ink.
	7	Color ledger	White wood-free uncoated or coated paper printed in color.
	8	Wood-free shavings with partial color print	Shavings of white uncoated or coated wood-free paper, some of which is color printed, collected from bookbinders and printers.
	9	Coated white shavings	Shavings or sheets of unprinted coated paper collected from bookbinders and printers.
	10	Fliers	high-grade wood-containing white paper, etc.
	11	Polycoated milk carton stock	Washed used household polycoated beverage cartons, and shavings and sheets of industrially generated polycoated milk carton board, with no aluminum content.
	12	Sorted office paper	Paper and paper products from businesses, consisting primarily of loose black-printed or color-printed paper and copier paper.

Statistical Group	No.	Grade	Description
Quires woody paper printed	13	High-grade color-printed wood-containing shavings	Shavings of high-grade wood-containing white paper printed in various colors, collected from bookbinders and printers.
	14	Color-printed wood-containing shavings	Shavings of groundwood paper printed in various colors, collected from bookbinders and printers.
	15	High-grade wood-containing waste	Sheets of high-grade wood-containing paper, black-printed or color-printed, and groundwood paper collected from bookbinders and printers.
Old newspaper	16	Old newspaper	Old newspapers and Inserts collected from residences, businesses, public offices, etc.
Old magazines	17	Old magazines	Bound papers such as magazines, books, returned and remaindered books, user's manuals (including brochures), and booklets (pamphlet, catalogues and guidebooks, etc.) collected from residences, businesses, and public offices, etc.
Kraft browns	18	New brown kraft cuttings, unprinted brown kraft	Cuttings and sheets of unprinted brown kraft paper collected from kraft paper sack factories.
	19	Used brown kraft sacks	Used brown kraft sacks for rice, wheat, etc.
	20	Kraft lined corrugated containers	Kraft corrugated cuttings and old kraft corrugated containers (Comprised mainly of imports), Unbleached six pack beer carrier, etc.
Old corrugated containers	21	Old corrugated containers	Old corrugated containers collected from businesses, residences, etc.
	22	New Double-lined kraft corrugated cuttings	New corrugated cuttings and sheets from packaging products factories.
Box board cuttings	23	Mill wrappers	Used wrapping for paper and paperboard.
	24	White paperboard cuttings	Cuttings and die cuttings of white paperboard, chipboard, etc. collected from carton makers.
	25	Chipboard cuttings (Carton)	Old cartons from businesses, etc.
	26	Sorted residential old paper and paperboard	Paper, paperboard, and products thereof, collected from residences, exclusive of (separated from) old newspaper, old magazines, old corrugated containers and milk cartons.

Use of recovered paper (2018)

[recovered paper grades]

[paper & paperboard grades]



Notes :

- Consumption 1,000 thousand metric ton/year and over
- Consumption 100 thousand metric ton/year and over
- Consumption 10 thousand metric ton/year and over

Roles of recovered paper recycling by agents

Agents by channel	recovered paper item	Sellers or generator	Buyers	Function
Collectors	Old newspaper Old magazines Old corrugated containers	Home Wholesale store Station, Market Office buildings	Scrap dealers	1. They collect recovered paper from the steady points where are in the wide distribution of towns. 2. Collectors collect without money 3. Scrap dealers buy with money.
Special Collectors (Commercial waste)	Old corrugated containers Old newspaper Kraft paper waste	Super market Department store	Recovered paper suppliers	1. They have some of the fixed routes already with contract. 2. They buy with money, but in some case, receive the fee for clean up.
Special Collectors (Industrial waste)	Cutting paper waste Old corrugated containers Box board waste	Paper converter or printer	Recovered paper suppliers	1. They have some of the fixed route already with contract. 2. They collect high quality Grades.
Scrap dealers (They recover many kinds of waste)	Old newspaper Old magazines Old corrugated containers	Collectors	Recovered paper suppliers Lot dealers	1. Assort, clean up, compacting of recovered paper. 2. In some case, they have a share of the fixed point on collection system.
Lot dealers (including agents)	All kinds of recovered paper	Collectors	Recovered paper suppliers	1. Sometimes, they carry recovered paper to the paper maker by order of Recovered paper supplier.
Recovered paper suppliers	All kinds of recovered paper	Scrap dealer Lot dealers	Paper makers	1. Sorting and bailing of recovered paper. 2. They have stock as a measure of the supply and demand control function. 3. They must be registered for the paper stock section of the paper maker's mills as his trader.

Price of recovered papers

(Yen/Ton , pressed)

Year, Mon.	White shavings	White wood-containing shavings *	White ledger *	Color ledger *	Old newspaper	Old magazines	Old corrugated containers
2015 Jan	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Feb	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Mar	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Apr	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
May	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jun	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jul	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Aug	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Sep	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Oct	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Nov	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Dec	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
2016 Jan	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Feb	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Mar	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Apr	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
May	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jun	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jul	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Aug	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Sep	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Oct	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Nov	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Dec	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
2017 Jan	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Feb	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Mar	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Apr	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
May	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jun	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	14,000~	12,000~	15,000
Jul	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Aug	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Sep	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Oct	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Nov	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Dec	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
2018 Jan	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Feb	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Mar	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Apr	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
May	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Jun	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Jul	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Aug	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Sep	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Oct	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Nov	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~
Dec	33,000~39,000	22,000~38,000	19,000~20,000	15,000~16,000	17,000~	15,000~	18,000~

Notes : The table is showing paper maker's purchase prices in Tokyo except for the figures marked with * showing prices in Shizuoka area.

The paper maker's purchase prices are without the delivery cost for White shavings, Old newspaper, Old magazines and Old corrugated containers to mills.

Estimated weight portion of recovered paper to produce paper and paperboard (2018)

Grades	Total	Hard white shavings, white cards	White woody shavings, white manila	Fine paper printed	Kraft browns	Quires woody paper printed	Old newspaper	Old magazines	Old corrugated containers	Box board cuttings
Newsprint	0.9401	—	—	0.0330	—	—	0.8069	0.0990	—	0.0013
Printing and communication paper	0.2117	0.0018	0.0002	0.0636	—	0.0099	0.1158	0.0205	—	0.0000
Wrapping paper	0.0739	—	—	0.0382	0.0083	—	0.0250	0.0023	—	—
Sanitary paper	0.5162	0.0030	—	0.5107	—	0.0001	0.0021	0.0003	—	—
Miscellaneous paper	0.0240	0.0006	—	0.0011	0.0011	—	0.0184	0.0002	0.0022	0.0004
Paper total	0.3667	0.0014	0.0001	0.1090	0.0006	0.0056	0.2193	0.0303	0.0001	0.0003
Kraft Liner	1.0303	0.0035	0.0017	0.0122	0.0040	—	0.0020	0.1049	0.8799	0.0219
Test liner (Jute Liner)	1.0307	0.0014	0.0057	0.0114	0.0010	—	0.0083	0.2148	0.7646	0.0234
Recycled liner	1.0204	0.0486	0.0460	0.0307	0.0113	0.0055	0.0119	0.2515	0.5231	0.0918
Corrugating medium	1.0300	—	—	0.0001	0.0008	—	0.0001	0.0890	0.9162	0.0238
Manila paperboard	0.4164	0.0016	0.0019	0.1592	—	0.0007	0.0776	0.1706	0.0001	0.0047
White paperboard	0.9930	0.0251	0.0032	0.1120	—	0.0108	0.1386	0.5936	0.0149	0.0948
Chipboard (Colored Board)	1.0412	0.0059	0.0045	0.0178	0.0206	0.0102	0.0980	0.3205	0.1234	0.4403
Building board	0.9886	0.0041	0.0617	0.0003	0.0140	—	0.1194	0.1002	0.6582	0.0307
Other paperboard	0.9124	0.0060	0.0002	0.0063	0.0090	0.0031	0.0104	0.0177	0.8467	0.0131
Paperboard Total	0.9942	0.0041	0.0031	0.0222	0.0027	0.0011	0.0194	0.1541	0.7548	0.0326
Total	0.6585	0.0027	0.0015	0.0686	0.0016	0.0035	0.1263	0.0879	0.3511	0.0153

Notes : The recovered paper consumption for the paper or paperboard making by grade / The paper or paperboard production

Estimate by pulp & paper annual statistics ,monthly statistics of paper,print, plastic and rubber product by METI and investigation of recovered paper consumption by P.R.P.C

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