

## KRUGER PRODUCTS, L.P. SUSTAINABILITY KEY PERFORMANCE INDICATORS: OPERATIONS

<u>ENERGY CONSUMPTION</u> <sup>1</sup>	<u>UNIT</u>	<u>2018*</u>	<u>2017*</u>	<u>2016*</u>	<u>2015</u>	<u>2009 Benchmark</u>
Natural Gas	Gigajoules	4,314,868	4,093,447	3,970,252	4,053,601	4,271,830
	% of Total	61	61	61	61	65
Grid-Supplied Electricity	Gigajoules	2,329,479	2,305,309	2,246,507	2,187,507	1,992,136
	% of Total	33	34	34	34	31
Biomass	Gigajoules	361,216	350,841	332,189	355,002	15,977
	% of Total	5	5	5	5	0
Other (Diesel, Oil, Propane)	Gigajoules	44,760	34,020	28,297	31,392	287,585
	% of Total	1	0	0	0	4
Total	Gigajoules	7,050,322	6,783,427	6,577,246	6,627,502	6,567,528
	GJ/MDMT Produced	19.65	19.81	19.53	20.67	21.72
Energy from Renewables	% of Total	27	27	29	27	26
 <u>GREENHOUSE GAS EMISSIONS</u> <sup>1</sup>						
CO <sub>2</sub> e Scope 1 (Direct)	Metric Tonnes CO <sub>2</sub> e	218,365	207,015	201,963	206,732	236,712
	kg CO <sub>2</sub> e/MDMT Produced	609	605	599	644	783
CO <sub>2</sub> e Scope 2 (Indirect)	Metric Tonnes CO <sub>2</sub> e	119,240	121,355	132,443	142,432	63,843
	kg CO <sub>2</sub> e/MDMT Produced	332	354	393	444	211
Total	Metric Tonnes CO <sub>2</sub> e	337,239	328,371	334,407	320,613	300,545
	kg CO <sub>2</sub> e/MDMT Produced	940	959	993	1060	994

<u>CAC EMISSIONS<sup>1</sup></u>	<u>UNIT</u>	<u>2018*</u>	<u>2017*</u>	<u>2016*</u>	2015	<u>2009 Benchmark</u>
NOx	Metric Tonnes	302.3	292.5	285.1	-	-
SOx	Metric Tonnes	109.3	108.1	104.8	-	-
TPM <sup>2</sup>	Metric Tonnes	93.2	91.3	87.5	-	-
VOCs <sup>3</sup>	Metric Tonnes	16.1	15.5	15.2	-	-
CO	Metric Tonnes	296.4	286.4	276	-	-
<u>WATER<sup>1</sup></u>						
Effluent Hydraulic Flow	m <sup>3</sup>	19,606,335	18,895,035	20,114,475	20,471,496	22,983,464
	M <sup>3</sup> /MDMT Produced	55	55	60	64	76

## KRUGER PRODUCTS, L.P. SUSTAINABILITY KEY PERFORMANCE INDICATORS: PRODUCTS

<u>FIBRE CONSUMED</u>	<u>UNIT</u>	<u>2018*</u>	<u>2017*</u>	<u>2016*</u>	<u>2015</u>	<u>2009 Benchmark</u>
Purchased Recycled	Air Dried MT	4,547	5,500	4,829	6,264	7,026
	% of Total	1	2	1	2	3
Produced Recycled	Air Dried MT	82,301	74,866	85,454	77,066	78,921
	% of Total	23	22	25	24	27
Purchased Virgin	Air Dried MT	269,765	262,939	248,803	236,917	181,091
	% of Total	76	76	73	74	64
Produced Virgin	Air Dried MT	-	-	-	-	16,833
	% of Total	0	-	-	-	6
Total	Air Dried MT	356,613	343,355	339,086	320,247	283,871
FSC® Mix Certified	% of Total	31	34	32	33	0
FSC® Recycled Certified	% of Total	24	22	25	24	0
FSC® Controlled Wood	% of Total	45	44	43	43	0
<u>CERTIFIED PRODUCTS</u>						
UL ECOLOGO	No. of Products	58	55	55	55	93
Forest Stewardship Council®	No. of Products	110	107	127	126	0
Green Seal	No. of Products	1	1	1	1	1
<u>CERTIFIED PAPERMAKING</u>						
ISO 9001	% of Total Production	100	100	100	100	-
<u>PRODUCTION</u>						
Paper	MDMT	358,807	342,427	336,771	320,613	302,414

---

## KRUGER PRODUCTS, L.P. SUSTAINABILITY KEY PERFORMANCE INDICATORS: SOCIAL

<u>HEALTH &amp; SAFETY</u>	<u>UNIT</u>	<u>2018*</u>	<u>2017*</u>	<u>2016*</u>	<u>2015</u>	<u>2009 Benchmark</u>
OSHA	Incidence Rate	2.1	2.9	3.6	4.0	6.6
Lost Work Days	No. of Days	614	795	1,436	907	-
Fatalities	No. of Employees	0	0	0	0	-
<u>LEADERSHIP DIVERSITY</u>						
Women in Board Roles	Percentage	25	0	25	25	N/A
Women in Senior Exec Roles	Percentage	20	10	10	10	10

\*Includes Trenton and Scarborough, ON Converting Plants Data

<sup>1</sup>Manufacturing operations only.

<sup>2</sup>For certain emission sources, an emission factor for TPM (total particulate matter) was not available. In these instances, PM10 or Filterable PM is used to represent TPM.

<sup>3</sup>For certain emission sources, an emission factor for VOC (Volatile organic compound) was not available. In these instances, TOC (total organic carbon) or NMTOC (non-methane organic compound) is used to represent VOC.

<sup>4</sup>Does not include New Westminster, BC Plant.

<sup>5</sup>Only Gatineau and Crabtree, QC Plants included.

<sup>6</sup>Only Crabtree and Sherbrooke, QC Plants included.

<sup>7</sup>Only Gatineau, Crabtree and Sherbrooke, QC Plants included.

MDMT=Machine Dried Metric Tonnes