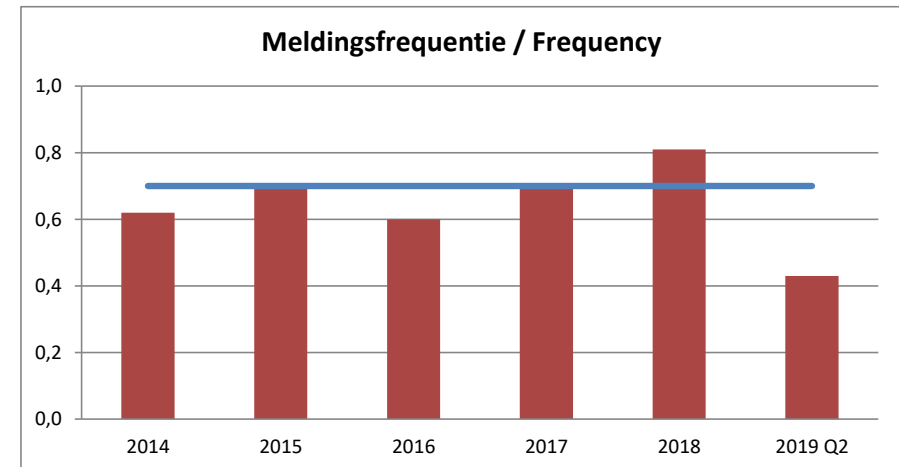
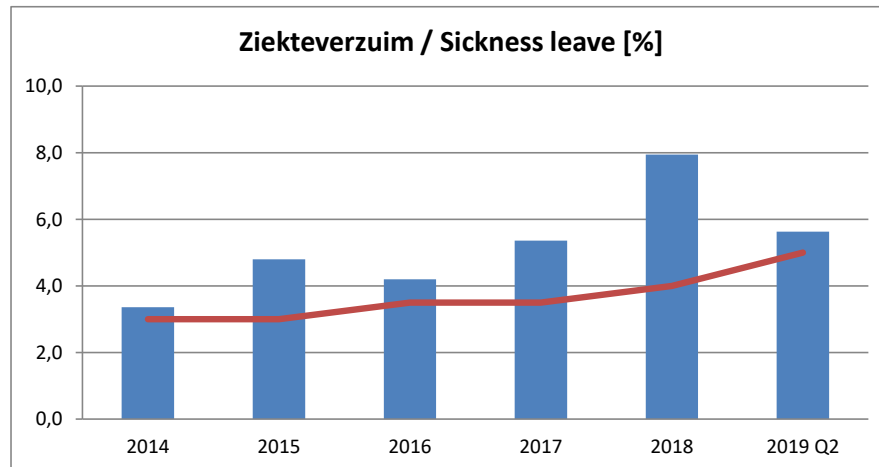




MVO data 2019 / CSR data 2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Q2
Ziekteverzuim / Sickness leave	3,05	2,95	3,31	3,50	3,36	4,80	4,20	5,36	7,94	5,63
Meldingsfrequentie / Frequency	0,66	0,69	0,68	0,70	0,62	0,70	0,60	0,70	0,81	0,43



Focuspunten 2019

- i-Pitt workshop vitaliteit/duurzame inzetbaarheid medewerkers afgerond.
- Preventie ziekteverzuim t.g.v. locomotore klachten bij oudere werknemers middels spreekuur fysiotherapeut op locatie.
- Vitaliteitsprogramma op maat voor medewerkers uitwerken in 2019.
- Ziekteverzuim blijft hoog; focus op maatregelen langdurig verzuim te beperken.

Focus points 2019

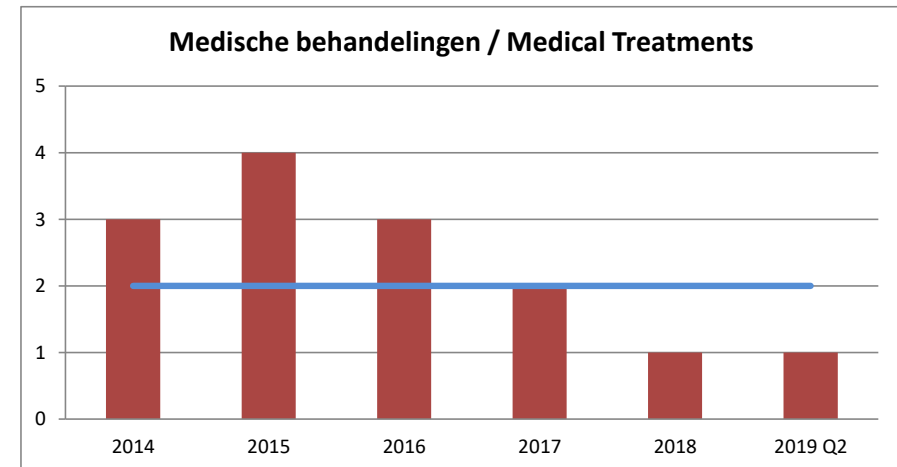
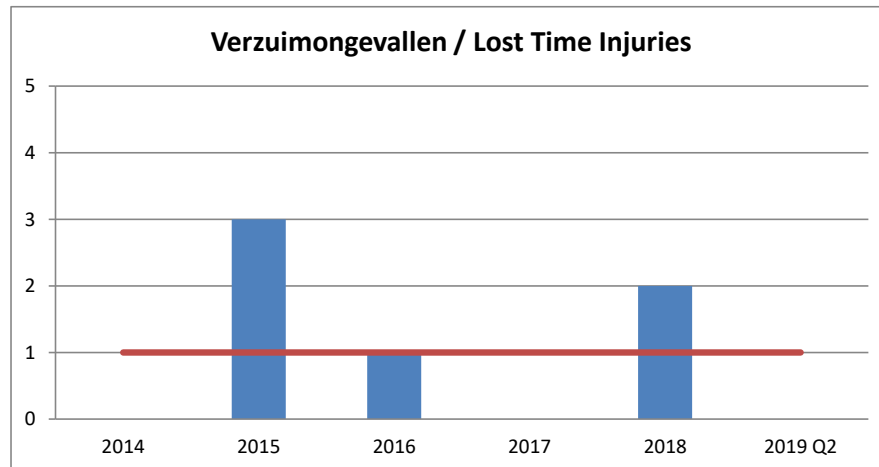
- i-Pitt workshop vitality/sustainable employability employees completed.
- Prevention of absenteeism due to locomotive complaints senior employees by office hour physiotherapist on location.
- Set up customized health program for employees in 2019.
- Sickness rate still high; focus on measures to limit long-term absenteeism.



MVO data 2019 / CSR data 2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Q2
Verzuimongevallen / Lost Time Injuries	0	2	3	2	0	3	1	0	2	0
Medische behandelingen / Medical Treatments	4	3	4	2	3	4	3	2	1	1



Focuspunten 2019

- Risico-inventarisatie PM4; plan van aanpak afgerond Q1.
- Analysen basisoorzaken van gerapporteerde arbo- en milieumeldingen.
- Uitvoeren van meerjarenplan Machinerichtlijn afd. Verwerking loopt door in 2019.
- Uitvoering van veiligheidsobservatierondes door leidinggevenden.

Focus points 2019

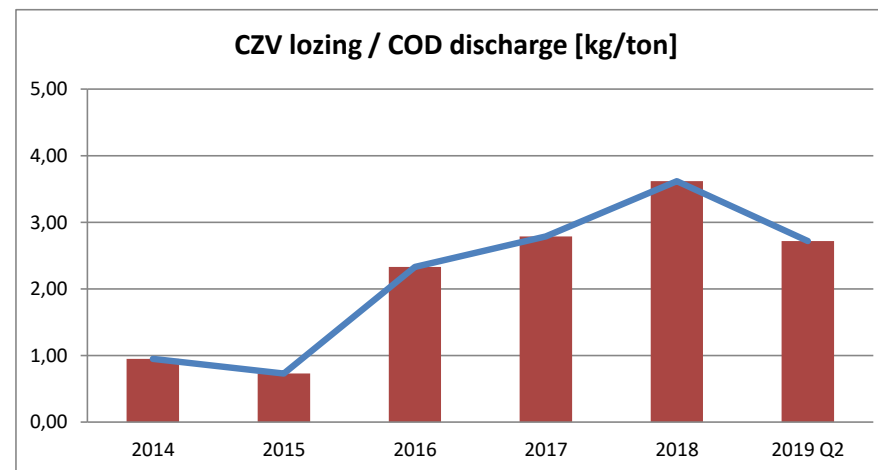
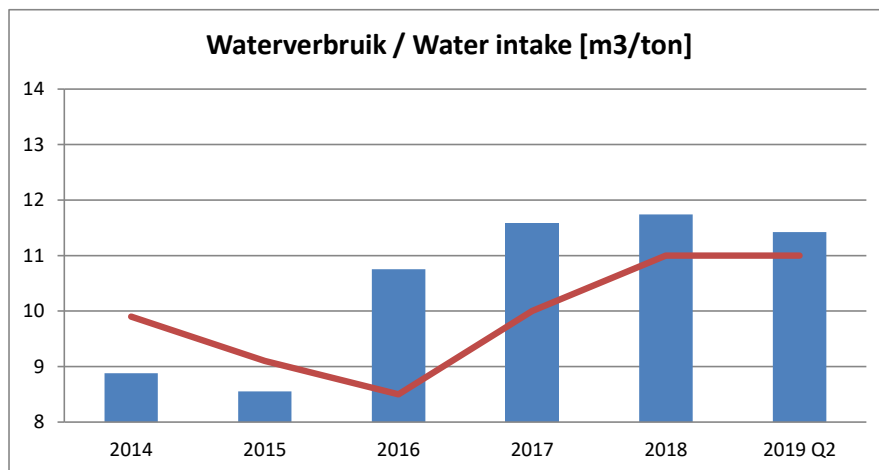
- Risk assessment PM4; action plan completed in Q1.
- Root cause analysis of reported health, safety and environmental issues.
- Multi-annual plan equipment safety directive Converting department will be continued in 2019.
- Execution of safety observation audits by management.



MVO data 2019 / CSR data 2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Q2
Waterverbruik / Water intake [m3/ton]	10,0	10,1	9,5	9,6	8,9	8,6	10,8	11,6	11,7	11,4
CZV lozing opp. water/COD discharge surface water [kg/ton]	1,4	1,6	0,8	0,9	1,0	0,7	2,3	2,8	3,6	2,7



Focuspunten 2019

Onderzoek uitbreiding aerobe deel van de zuiveringsinstallatie; reductie van hoge CZV-lozing.
 Onderzoek verbruik proceswater in het kader van verhoogd waterverbruik middels een gedetailleerde monitoring.
 Procesoptimalisatie water hergebruik; de huidige kringlopen nader onderzoeken/optimaliseren.

Focus points 2019

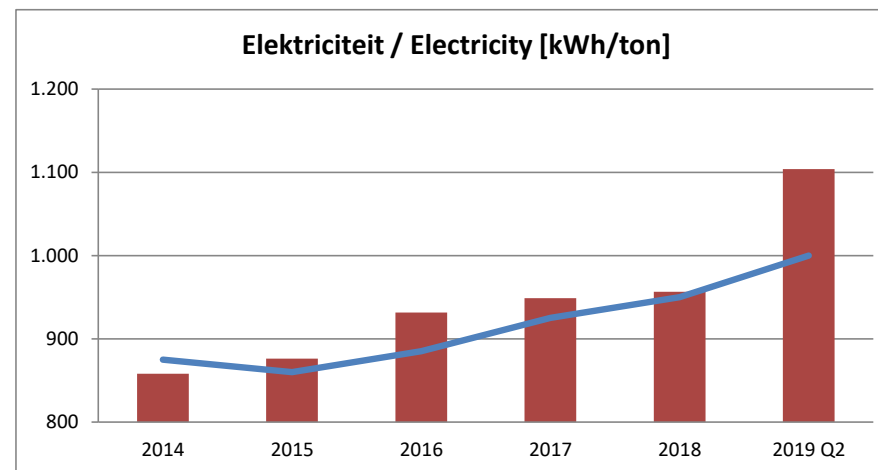
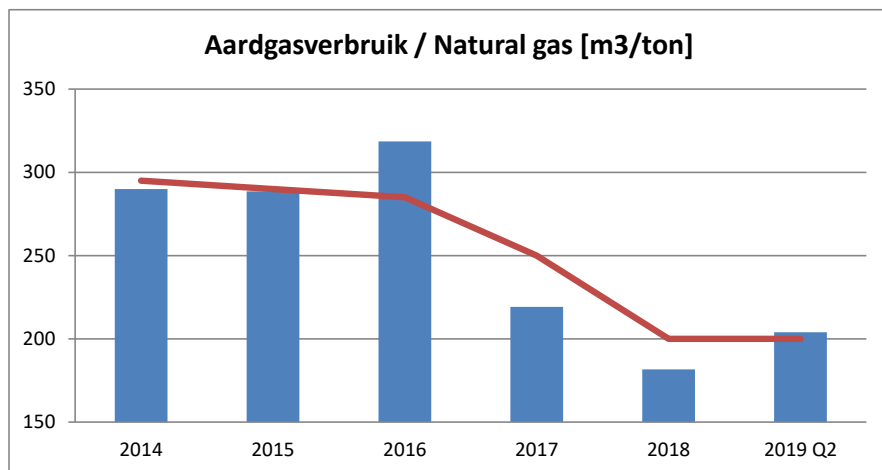
Study expanding aerob part of the water purification plant; reduction of high COD discharge.
 Investigation consumption of process water due to a higher water consumption through detailed monitoring.
 Process optimization of water reuse; investigation/optimization current water cycles.



MVO data 2019 / CSR data 2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Q2
Aardgasverbruik / Natural gas consumption [m3/ton]	320	316	305	309	290	289	319	219	182	204
Elektriciteit / Electricity [kWh/ton]	917	926	885	898	858	876	932	949	956	1.104



Focuspunten 2019

Specifiek elektriciteitsverbruik zal toenemen met stopzetting van PM3.
 Voortzetting uitvoering Energie Efficiency Plan (EEP 2017-2020).
 CO2-reductieplan opstellen in het kader van klimaatwetgeving.

Focus points 2019

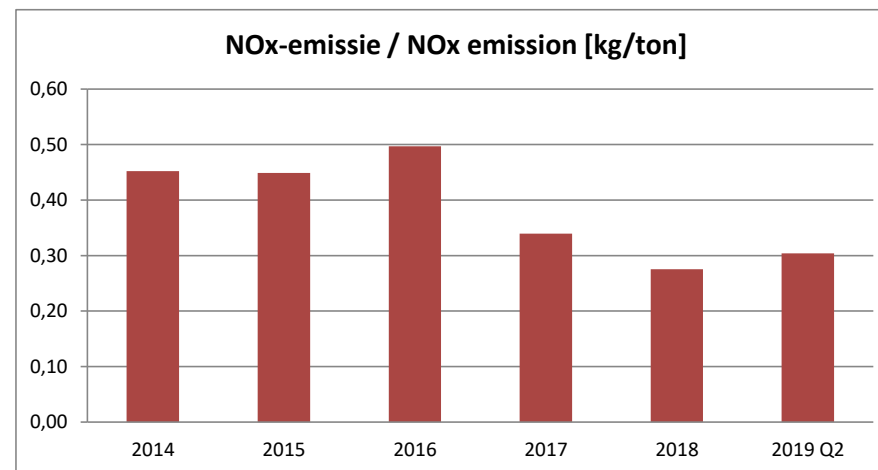
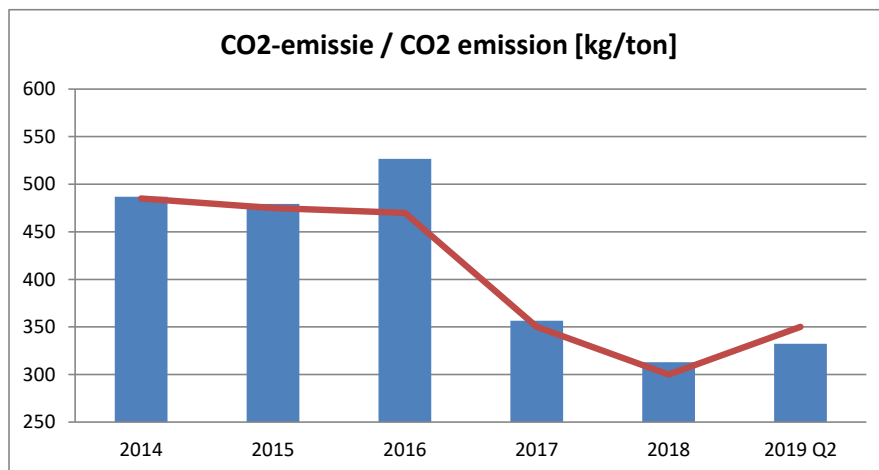
Specific electricity consumption will increase with the shut down of PM3.
 Continuation execution Energy Efficiency Plan (EEP 2017-2020).
 Develop CO2 reduction plan according climate legislation.



MVO data 2019 / CSR data 2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Q2
CO2-emissie aardgas / CO2 natural gas emission [kg/ton]	566	555	532	524	487	479	527	356	313	332
NOx-emissie / NOx emission [kg/ton]	0,56	0,53	0,53	0,49	0,45	0,45	0,50	0,34	0,28	0,30



Focuspunten 2019

CO2-emissie maximaal 350 kg/ton door uitvoering milieu- en energieprogramma en vervanging warmtekrachtkoppeling door stoomketel.

Terugdringen CO2-emissie door aankoop groene stroom, eigen zonnepanelen en CO2-reductieprojecten.

Meerjarenplan opstellen voor verdere reductie van de CO2-emissie; roadmap van Limburgs Energie Akkoord (LEA) en de Vereniging Nederlandse Papierindustrie (VNP).

Focus points 2019

Max. CO2 emission of 350 kg/ton by carrying out the environmental and energy programs and replacing co-generation plant by steam boiler.

Reducing CO2 emission by purchasing green electricity, own solar panels and CO2 reduction projects.

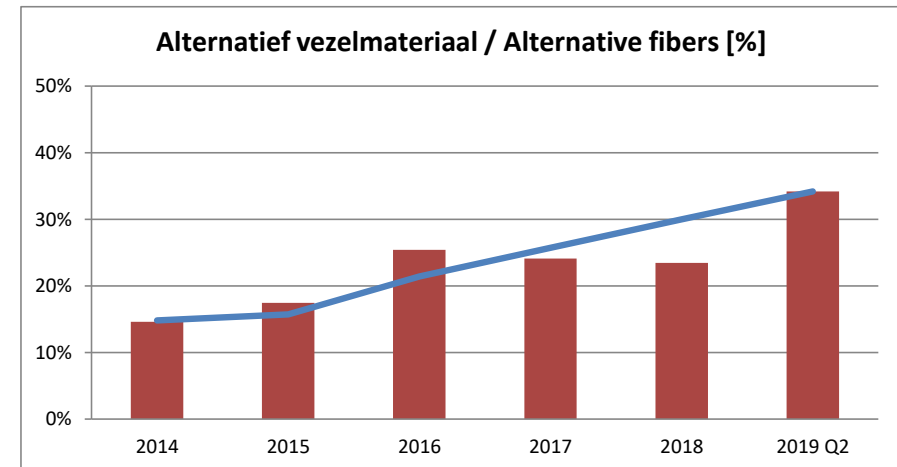
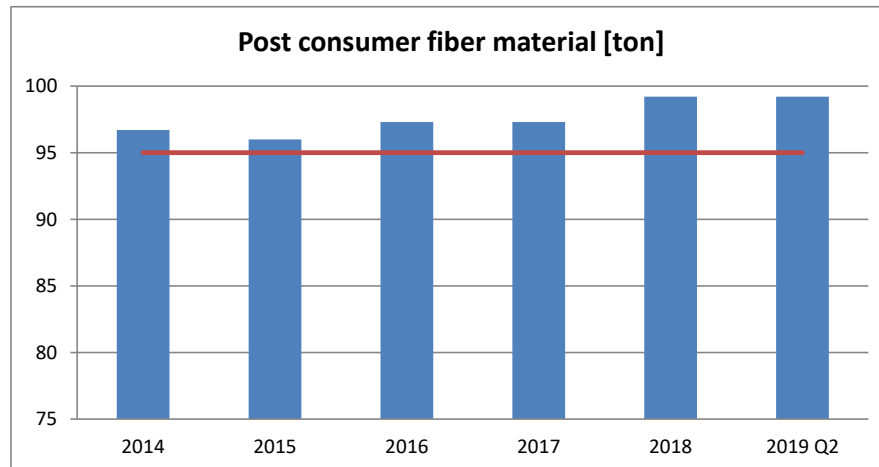
Develop a long-term plan for further reduction of the CO2 emission; roadmap Limburgs Energie Akkoord (LEA) and the Dutch Paper Industry (VNP).



MVO data 2019 / CSR data 2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Q2
Post consumer vezelmateriaal / Post consumer fiber material [%]	96,0	96,4	97,4	96,1	96,7	96,0	97,3	97,3	99,2	99,2
Alternatieve grondstoffen / alternative raw materials [ton]	13,3%	14,1%	13,1%	15,0%	14,6%	17,4%	25,4%	24,1%	23,5%	34,2%



Focuspunten 2019

- Aanvoer van alternatief vezelmateriaal zoals etiketten en drankkartons in 2019 verder verhogen.
- Inzet van biobased materiaal zoals miscanthus verder ontwikkelen en toepassen.
- Inzet van kartonnen drinkbekers en gebruikte papieren handdoekjes verder ontwikkelen en toepassen.
- Effectieve maatregelen nemen ter voorkoming van overlast in de omgeving bij de verwerking van drankkartons.

Focus points 2019

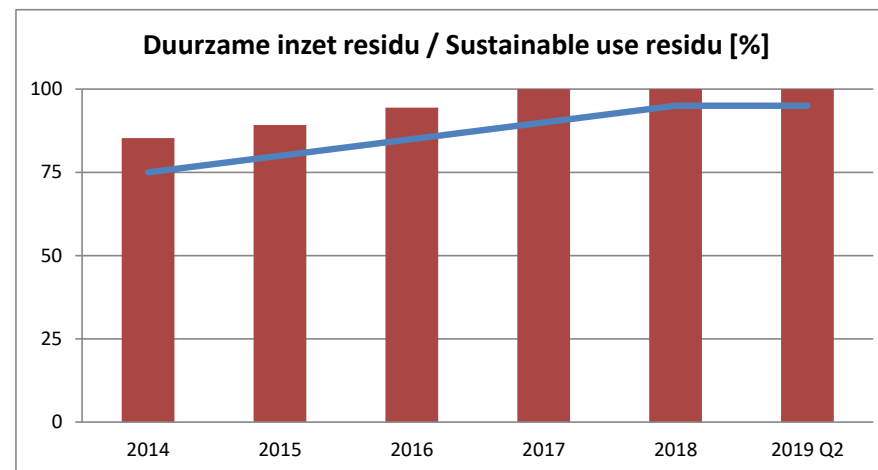
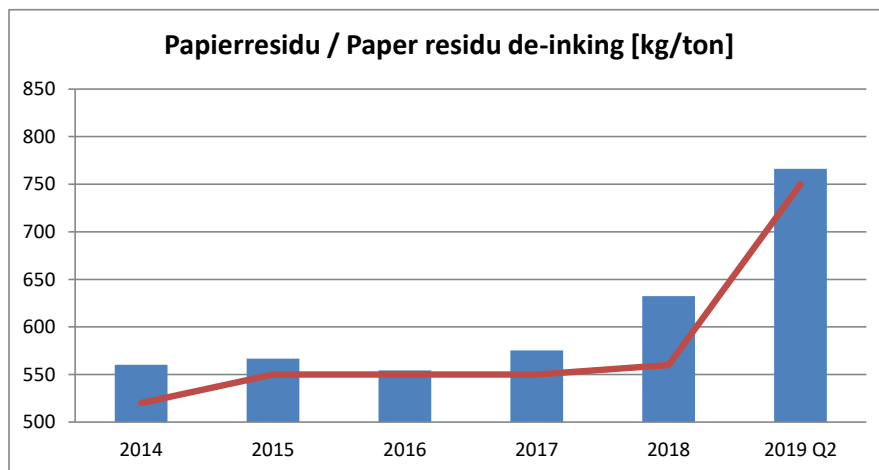
- Increase the supply of alternative fiber material such as bottle labels and beverage packaging further in 2019.
- Develop and implementate the use of biobased materials such as miscanthus.
- Further development and implementation of processing paper cups and used paper hand towels.
- Take effective measures during processing beverage packaging to prevent inconvenience in the surrounding area.



MVO data 2019 / CSR data 2019



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Q2
Papierresidu / Paper residu de-inking(kg/ton)	604	565	553	530	560	567	554	575	632	766
Duurzame inzet residu / Sustainable use residu (%)	57	65	44	42	85	89	94	100	100	100



Focuspunten 2019

Recycling van kunststof afval van de verwerking van drankkartons in Nederland.
 Implementeren duurzaam inkopen van grond-, hulpstoffen en transport.
 Inzet van reststromen als grondstof voor karton en plaatmateriaal (o.a. Noble Ecor).
 Toename relatieve hoeveelheid papierresidu door stopzetting van PM3.

Focus points 2019

Recycling of plastic waste from processing beverage packaging in the Netherlands.
 Implementing sustainable purchasing of commodities, additives and transport.
 Use of waste streams as input material for cardboard and plates (e.g. Noble Ecor).
 Increased relative quantity paper residu de-inking due to shut down of PM3.