

2020

# SUSTAINABILITY REPORT

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# MESSAGE FROM OUR CEO

**WINPAK's promise: "IT'S OUR NATURE TO PROTECT" has shown its true meaning as we look back to 2019, and especially in 2020, as the world faces a historic pandemic. More relevant than ever, this rallying slogan has enabled us to deal with the dramatic impact the COVID-19 pandemic is having on our communities, clients, stakeholders and ultimately, our way of life.**

The rude awakening that many of life's normalcies could be diminished in a sudden, dramatic turn of events reinforces our belief that overcoming the challenges facing the planet and humanity, including a widening socioeconomic divide, the impact of climate change, and resource depletion, require us to accelerate our actions to meet the United Nations Sustainable Development Goals (UNSDG).

Due to WINPAK's highly-detailed contingency plans, we were able to quickly assess our new "normal" and turn our production facilities into some of the safest places to work during the pandemic, extending beyond our zero incident objective and minimizing exposure in offices with as much work from home as sustainable.

WINPAK continues to make great strides by reducing the environmental impacts of the products we manufacture. All our efforts to improve the protection to what is most valuable, the products our packages safeguard, while reducing their environmental impacts revealed the full extent of what has already been achieved. Also, the path forward needs to be intensified to reduce and eventually eliminate our drain on the planet's resources. The new lower carbon footprint ReFresh™ recycle-ready products that we've introduced; the continuous source and waste reduction programs we drive; and the elimination of "bad actor" raw materials are all contributing to our progress against our Key Performance Indicators (KPIs) and demonstrated by our Carbon Disclosure Project (CDP) improvements compared to our 2017 baseline.

Our 'Wise' innovation eco-system is being further strengthened and expanded to accelerate the commercialization of next generation solutions developed with materials from renewable resources and/or fully recyclable with the lowest overall environmental footprint.

WINPAK has also answered the challenge to advance the use of packaging material as post-consumer recycled (PCR) content through active collaboration with third party

groups and alliances with many members of our extensive supply chain, all while ensuring our products meet the strictest food safety requirements.

Despite the unpredictable state of our current society, WINPAK is staying the course with achieving our sustainability objectives. Our cooperation with Wipak in Europe is more active than ever with new initiatives on a global scale. The dialogue with our clients to translate and support their own sustainability objectives is deepening, and the energy deployed by our entire organization on all fronts is a clear indication of our moving in the right direction. Our Board of Directors remains a source of inspiration and support to driving our sustainability agenda and rallying all the forces within WINPAK to stay in the lead.



**Olivier Muggli**  
President & CEO  
WINPAK LTD.



# INNOVATION & SUSTAINABILITY

**At WINPAK, innovation and sustainability start with our key motto "IT'S OUR NATURE TO PROTECT". We believe in protection of natural resources while enabling superb product protection via innovative packaging solutions.**

In our minds, packaging does its job well if products are protected effectively, such as food and healthcare goods, and does so using the minimum amount of materials. This results in more effective resource preservation.

Our sustainability journey aligns with the principles of the Circular Economy and embraces materials management via waste prevention and resource efficiency throughout our operations. Our focus areas include reduced material consumption or down-gauging, recycle-ready or recyclable solutions, renewable materials, post-consumer recycled (PCR) content in our products and emerging material and equipment technologies. In addition, we are developing new business models to enable sustainable packaging concepts to reduce greenhouse gas emissions via effective management of end of life for packaging products.

At WINPAK, we believe in a life-cycle approach to design, develop and apply innovative packaging technologies. During 2019, we established sustainable packaging expertise centers in all business units. We introduced several new products under our ReFresh™ portfolio with sustainability benefits such as low carbon footprint, recycle-ready or recyclable, and reduced weight. Further, we continued to develop and promote down-gauged packaging innovations and launched innovations

with PCR content. As we continue our sustainability journey, we aim to expand our product portfolio by designing packaging with full life cycle in mind including effective materials management, design for recyclability and low carbon footprint.

At WINPAK, this is an exciting time and we are innovating packaging that is meaningfully unique with superb quality, great performance characteristics and environmental benefits. Our teams are well positioned to support and delight our customers while growing our business in a sustainable manner.



**Mustafa Bilgen**  
Vice President, Technology & Innovations  
WINPAK LTD.



# WINPAK STEPS UP IN RESPONSE TO COVID-19

**In keeping with our Sustainability pillars of “Valued Partner” and “Extended Family”, WINPAK strives during these unprecedented times to keep the health and safety of employees and their families, customers, and suppliers above all else.**

Early in the pandemic, like many other companies, WINPAK proactively enacted measures to ensure the safety of employees and to ensure uninterrupted supply of essential food and healthcare packaging material and machinery to our customers.

Key actions taken early and remaining in place today include:

- Working remotely where appropriate
- Social distancing
- Travel restrictions
- Plexiglass dividers
- Limiting access on the shop floor
- Wearing face masks and face shields
- Temperature tracking
- Workflow changes
- Designating pathways on the production floor
- Staggering lunch times
- Frequent hand washing
- Relentless surface cleaning

Beyond measures taken within WINPAK sites, our employees recognized needs in our communities created by the pandemic as well. True to our motto **“IT’S OUR NATURE TO PROTECT”**, employees found ways to support frontline workers and aid those less fortunate than themselves.

## WINPAK DIVISION STEPS UP TO THE CHALLENGE

Spikes in consumer demand during COVID-19 put significant strain on the office and operational teams at WINPAK Division (WD) with increased order volumes and reduced lead times. Through these trying times, employees have continued to find ways to satisfy these requests from the valued customer base. In addition to ensuring customer needs were met, the WD team took on a challenge when a request was received from the Government of Manitoba to supply 100,000 protective face shields to frontline workers. WINPAK collaborated with local vendors and suppliers to prepare the face shields which were delivered to frontline medical workers in Manitoba.



*WINPAK employee wearing prototype of faceshield supplied to the Manitoba government*

### **WINPAK CONTROL GROUP SUPPORTS FRONTLINE WORKERS**

As COVID-19 spread this year, WINPAK Control Group (WCG) stood strong in its commitment to the community and the support of frontline workers in the fight against the pandemic. WCG is proud to have taken on the task of creating protective face shields for local municipalities including police departments, fire departments, and the surrounding hospitals. Adding a special touch to this project is the group of WCG employees who have volunteered their personal time to assemble the face shields. WCG pledged to deliver 10,000 shields at the completion of this project. Additionally, WCG partnered with Cosette Pharmaceuticals to manufacture and distribute disposable hand sanitizer sachets to first responders at various healthcare centers in New Jersey.

### **WINPAK HEAT SEAL HELPS LOCAL COMMUNITY**

The Greater Montreal area has unfortunately been the region most affected in Canada by the COVID-19 pandemic. During the peak of the crisis, food banks everywhere were struggling to respond to the ever-increasing demand. In order to help these non-profit organizations, an employee fundraiser took place in WINPAK Heat Seal's (WHS) Vaudreuil-Dorion site with proceeds going to local food banks. With support from the company, \$5,000 was raised. WINPAK Heat Seal also sponsored a local initiative of the city of Vaudreuil-Dorion consisting of a temporary drive-in theater. This initiative allowed families to enjoy a low-cost movie night in a safe and fun environment.

### **WINPAK PORTION PACKAGING DONATES CUPS FOR HAND SANITIZER**

WINPAK Portion Packaging (WPP), in partnership with Wilpack Packaging of Rockford, Illinois, donated individual portion control hand sanitizer in support of Illinois First Responders on the front line of COVID-19 community service. The hand sanitizer was produced at a local Rockford, IL distillery that normally produces rum but was converted to emergency alcohol production. With the donation of WPP cups, the hand sanitizer was then filled by Wilpack Packaging for single-unit dose applications. The quick response was a natural fit as WPP and Wilpack Packaging have a long history of collaboration on packaging machinery and cup supply. The filled single-unit dose hand sanitizer was donated to Illinois first responders in Boone, Stephenson, and Winnebago Counties.





# COMPANY OVERVIEW

**WINPAK is part of WIHURI International Oy, a Finnish corporation with global packaging entities, notably WIPAK, which has operations in Europe and Asia.**

WINPAK operates 12 production facilities in Canada, the United States and Mexico, offering customers global coverage and expertise. The North American business units serve customers throughout the United States, Canada and Latin America primarily to provide packaging to protect perishable foods, beverages, healthcare and industrial products. With these applications, WINPAK specializes in rigid and flexible barrier packaging as well as form-fill-and-seal machinery.



/// Rigid Packaging



/// Flexible Packaging



/// Packaging Equipment



### WINPAK LOCATIONS AND BUSINESS UNITS

- 1 WINPAK Division**  
Winnipeg, MB, Canada

**2 American Biaxis Inc.**  
Winnipeg, MB, Canada

**3 WINPAK Films Inc.**  
Senoia, GA, USA

**4 WINPAK Heat Seal Pkg, Inc.**  
Vaudreuil-Dorion, QC, Canada

**5 WINPAK Heat Seal Corp.**  
Pekin, IL, USA

**6 Embalajes WINPAK de Mexico**  
Querétaro, Mexico

**7 WINPAK Portion Pkg, Inc.**  
South Chicago Heights, IL, USA

**8 WINPAK Portion Pkg, Inc.**  
Sauk Village, IL, USA

**9 WINPAK Portion Pkg LTD.**  
Toronto, ON, Canada

**10 WINPAK Lane Inc.**  
San Bernardino, CA, USA

**11 WINPAK Control Group Inc. (1)**  
Norwood, NJ, USA

**12 WINPAK Control Group Inc. (2)**  
Norwood, NJ, USA

MARKETS	FLEXIBLE PACKAGING	RIGID PACKAGING & FLEXIBLE LIDDING	PACKAGING MACHINES
<b>Business Units</b> <ul style="list-style-type: none"> <li>Locations</li> </ul>	<b>WINPAK Films Inc.</b> <ul style="list-style-type: none"> <li>Senoia, GA, USA</li> </ul> <b>WINPAK Division</b> <ul style="list-style-type: none"> <li>Winnipeg, Manitoba, CA</li> </ul> <b>WINPAK Heat Seal</b> <ul style="list-style-type: none"> <li>Vaudreuil-Dorion, Quebec, CA</li> <li>Pekin, IL, USA</li> <li>Queretaro, Mexico</li> </ul> <b>WINPAK Control Group, Inc.</b> <ul style="list-style-type: none"> <li>Norwood, NJ, USA</li> </ul>	<b>WINPAK Portion Packaging</b> <ul style="list-style-type: none"> <li>South Chicago Heights, IL, USA</li> <li>Sauk Village, IL, USA</li> <li>Toronto, Ontario, CA</li> </ul> <b>WINPAK Heat Seal</b> <ul style="list-style-type: none"> <li>Vaudreuil-Dorion, Quebec, CA</li> <li>Pekin, IL, USA</li> <li>Querétaro, Mexico</li> </ul>	<b>WINPAK Lane Inc.</b> <ul style="list-style-type: none"> <li>San Bernardino, CA, USA</li> </ul>
<b>Product Types</b>	<ul style="list-style-type: none"> <li>Flexible packaging and wrap</li> <li>Specialty film and rollstock</li> <li>Vacuum pouches</li> <li>Zipper stand-up pouches</li> <li>Sachets</li> <li>Barrier shrink bags</li> <li>Paper-Foil-laminations</li> <li>Film-Foil-laminations</li> <li>Push-Thru-Foils</li> <li>Child resistant packaging</li> </ul>	<ul style="list-style-type: none"> <li>Single-serve lidded containers</li> <li>Foil lids</li> <li>All plastic lids</li> <li>Retort containers, lids</li> <li>Cups</li> <li>Custom containers</li> <li>Trays, lids</li> <li>Rigid plastic sheets</li> </ul>	<ul style="list-style-type: none"> <li>Packaging equipment (cups, pouches, vertical and horizontal form, fill/seal, complete packaging systems)</li> <li>Service, repair and parts</li> </ul>
<b>Share of Revenue</b>	51%	46%	3%

At the end of the 2019 reporting period, WINPAK had **annual sales of \$874 million** and **almost 2,500 co-workers at 12 sites in 3 countries** (Canada, United States and Mexico). WINPAK’s corporate headquarters is in Winnipeg, Manitoba, Canada.

WINPAK has majority ownership in American Biaxis Inc. (ABI), a joint venture with Sojitz Corporation, of Japan. ABI manufactures multi-layer biaxially oriented polyamide (BOPA) films for sale in North America.



# OUR MARKETS



## DAIRY

WINPAK is a leading supplier in the North American dairy market providing thermoformed containers, lidding, plastic sheeting, and high-grade flexible films to meet the stringent market requirements. WINPAK develops innovative, efficient, and ecologically sustainable packaging solutions that protect product quality, extend shelf life, and preserve freshness and aroma.



## PROTEIN

Regardless of needs, WINPAK offers innovations that maximize shelf life and enhance food safety for applications like fresh meat, poultry, seafood and processed meats. These attributes are critical for protein markets not only due to economic reasons but to ensure the embedded resources used to grow, process, and deliver these products to consumers are not wasted.



## FOOD & BEVERAGE

Consumers have ever-expanding tastes and an ongoing need for packaging that provides safety, quality, convenience, extended shelf life and now add environmentally responsible. Our comprehensive packaging options include rigid containers, flexible lidding, rollstock, and pouches. Many options offered are recyclable or are recycle-ready anticipating enhancements to the recycling infrastructure.



## HEALTHCARE

WINPAK takes very seriously its commitment and obligation in the healthcare packaging space. Our dedicated team focused on medical and pharmaceutical products understands the rigorous requirements and high-quality manufacturing standards needed to ensure performance and reliability of our products.



## PACKAGING MACHINERY

WINPAK offers a full line of horizontal fill/seal machines for preformed containers and vertical form/fill/seal pouch machines for pumpable liquid, semi-liquid, and dry products. Like products for other markets we participate in, WINPAK machines provide economic and environmental benefits through efficiency, high throughput and extended uptime.



# 2025 SUSTAINABILITY GOALS

At WINPAK, our commitment to Sustainability means we are aligned with Circular Economy and Sustainable Materials Management principles. We embrace life cycle analysis (LCA) in development of our packaging innovations, along with recyclability and end of life management.

We have four sustainability pillars which form the foundation for our Sustainability goals. Those pillars are shown below:



**VALUED  
PARTNER**



**EXTENDED  
FAMILY**



**ROOTS**



**PLANET**

# WINPAK SUSTAINABILITY TARGETS



## GROWING AS A “VALUED PARTNER”

Customer Satisfaction: > 90%  
Materials Management: > 90%  
Sustainable Products: 100%



## KEEPING OUR “EXTENDED FAMILY” SAFE AND ENGAGED

Health & Safety: 0.0 TRIR  
Employee Retention: > 90%  
Employee Engagement: > 90%



## PROUD OF OUR “ROOTS”

Code of Conduct: 100% compliance  
Responsible Supply Chain: 100% compliance  
Corporate Transparency: CDP “A List”



## “PLANET” FOR FUTURE GENERATIONS

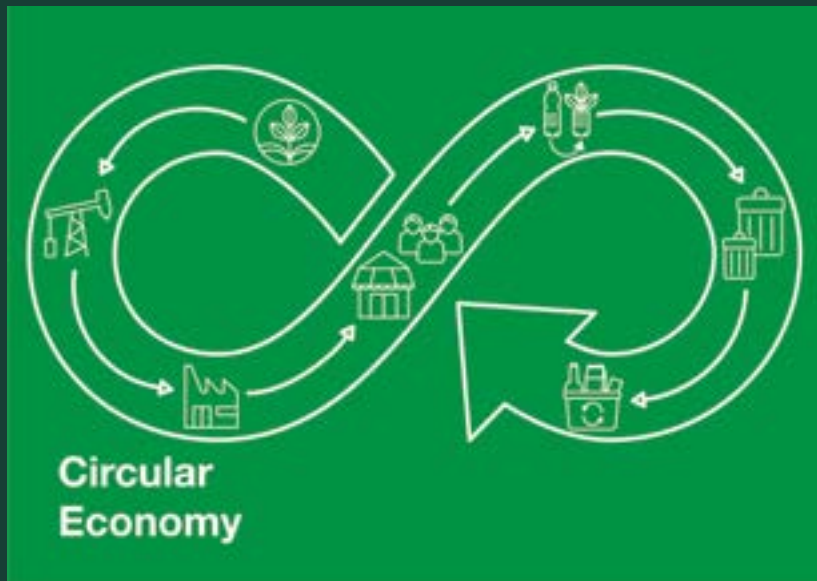
Energy Intensity: > 10% reduction  
GHG Emissions Intensity: > 10% reduction  
Landfill Waste: 0.0 MT

This year we build on those pillars and announce our 2025 Sustainability Goals. These announced goals provide WINPAK and its stakeholders with tangible targets that help improve us as a company, improve us as a corporate citizen, and contribute to a better planet.



## CREATING A CIRCULAR ECONOMY

As our business and world have evolved, WINPAK has maintained its focus on and commitment to supporting the transition from a linear to a Circular Economy. WINPAK demonstrates this commitment through efforts within our own operations, as well as collaborations with external industry partners. WINPAK innovates and produces packaging solutions that look to reduce material use, incorporate post-consumer recycled (PCR) content, and/or do not end up in landfills. Just one example is WINPAK's line of innovations comprised of forming and non-forming films containing PCR PET content. Not only do these products help WINPAK de-couple material use from virgin fossil fuel resins, but they also reduce GHG emissions and maintain mechanical and optical properties similar to virgin materials.



WINPAK is also an active member of several industry organizations collaborating to ensure a Circular Economy for packaging. WINPAK is a founding member of the **Polypropylene Recycling Coalition**. This industry collaboration is investing in polypropylene (PP) recycling improvements for greater recovery and recycling of this critical packaging material. WINPAK participates in the **Chemistry Industry Association of Canada (CIAC)** as a member of its Plastics Division and in **PAC (Packaging Association of Canada)**. Finally, as a member of the **Sustainable Packaging Coalition (SPC)**, WINPAK contributes on the Multi-Material Flexible Packaging Recovery Collaborative supporting work to advance recycling of multi-material flexible packaging. "Advancing the Circular Economy for our industry is a critical element of our strategy. Developing packaging solutions made from PCR content and that stay out of landfills is a top priority", states Mustafa Bilgen, Vice President, Corporate Technology and Innovations, "as is engaging with industry partners through the entire packaging value chain." Bilgen adds, "I am proud of the support provided by our Senior Leaders and Board of Directors along with the passion demonstrated by our employees in fulfilling our vision."

## ASSOCIATION MEMBERSHIPS





# GROWING AS A VALUED PARTNER

**WINPAK believes not only in building relationships that last but also in building relationships that bring value to our customers and suppliers.**

Our goals in the Valued Partner pillar reflect our commitment to bring value to our supply chain. As an example, in 2019, WINPAK commercialized a line of flexible packaging innovations under the brand name ReFresh™. This product line provides food manufacturers and brand owners with high barrier recycle-ready solutions to address their packaging needs.

## REFRESH™ PRODUCT LINE

The ReFresh™ product line features 4 main products: ReForm, ReLam, ReFlow and RePouch.

### REFORM

A flexible thermoformable polyolefin-based film with low haze and high clarity. Produced with optimum gas, moisture and aroma barriers, ReForm can be used for modified atmosphere packaging (MAP) and vacuum applications.

### RELAM

A flexible non-forming polyolefin-based film with low haze and high clarity. ReLam is a lightweight construction with superior gas, moisture and aroma barrier properties. It is also suitable for high end graphic designs in a reverse print adhesive-laminated solution.

### REFLOW

Flexible polyolefin-based film with strong mechanical properties and capable of high speeds on standard horizontal form-fill-seal (HFFS) flowpak machines.

### REPOUCH

Available in high clarity polyolefin structures with oxygen, moisture and aroma barriers. RePouch can be used for various pouch applications with surface or reverse printing capabilities. Its balance of properties makes it an excellent choice for a broad range of applications including food, dairy and protein-based products.

RECYCLABLE TRAYS AND CUPS

Further, WINPAK has an extensive line of polypropylene (PP) trays and cups that enable our customers to participate in the Circular Economy. Our MAPfresh® recyclable rigid packaging solutions are suitable for packaging fresh red meat, pork, poultry, seafood, and even pre-made meals due to their heat resistance. WINPAK’s extensive line of cups is suitable for many consumer products like yogurt, condiments, fruit snacks, etc.

Recyclable Trays:



Recyclable Cups:



*“More than ever, collaborative selling at WINPAK has proved to be a winning formula with active participants in the selling process from Sales; Marketing; Research; Finance; Quality; Customer Service and Innovation. WINPAK has tremendously improved its focus on addressing customer needs and wants, and often, before asked. We have improved how we communicate as one company versus selling divisionally, providing broader thinking and new ways in finding that solution. Given our commitment to market segmentation, our message is personalized and is focused more on selling value from system sales, to alternative specifications, to recycle and recycle-ready sustainable platforms. Further, leveraging the OneWinpak approach and message, we now offer a wholistic approach to packaging solutions and sustainable offerings across all WINPAK. This new approach brings even greater value to the WINPAK proposition for our customers.”*



**Bart Trentadue**  
Market Director, Food & Beverage





# KEEPING OUR EXTENDED FAMILY SAFE AND ENGAGED

**At WINPAK, we consider our employees as our extended family. The challenges of 2019 and this year continue to highlight how important our employee safety measures are and how much our engaged workforce improves performance.**

With close to 2,500 members, we value the unique and diverse skills each brings to work every day. We encourage a collaborative work environment where employees can be their authentic selves and bring out the best in each other. Promoting employee well-being goes hand in hand with ensuring safe working conditions. WINPAK takes this responsibility seriously.

The goals established for our extended family reflect the importance of safety and engagement at WINPAK. The company will always strive for a zero-injury rate throughout its operations and the continual training and updates to safety procedures reflects this relentless pursuit. Expect to see more in this space soon as WINPAK is undertaking an initiative to further enhance its safety culture.

*“WINPAK has a core value to provide a safe work environment. This value and commitment to build and maintain a safety prevention culture was reaffirmed as a strategic priority recently in 2020.*

*WINPAK believes that employee engagement is a key component of a safety culture as this reflects the attitudes, beliefs, perception and values that employees have towards safety. When asked to rate our achievement of a safe workplace, employees rated WINPAK as “extremely well” in the 2019 Employee Engagement Survey.*



**Sharon Hooper**  
Vice President, Human Resources

*While we are proud of our safety program and our safety team, an accident-free workplace is the result of continuous improvement and proactive practices. A safety culture is also built on a foundation of a shared responsibility and accountability regardless of level or job.”*



*WINPAK employee wearing face mask.*



*WINPAK employee wearing face shield.*



# PROUD OF OUR ROOTS

**WINPAK is a proud company. Our parent company, WIHURI International Oy, has a rich 100+ years of existence. WINPAK is founded on integrity, excellence, and respect for people and human rights.**

We believe that our ethics, transparent governance and supply chain are at the “root” of our sustainability commitment. Holding ourselves to the highest standards has been, and will continue to be, the backbone of our success. WINPAK has a strong business Code of Conduct that we regularly review and use to guide our actions and decision-making. The Code of Conduct can be accessed at [www.winpak.com/code-of-business-conduct](http://www.winpak.com/code-of-business-conduct)

*“WINPAK has always known the importance of establishing strong, long term relationships with our Supplier Partners. Sustainability has taken this to another level. WINPAK needs concerted effort and involvement by our partners to meet our Sustainability goals and objectives along with those of our customers.*

*First and foremost is compliance with WINPAK’s Code of Conduct. We will only deal with socially, environmentally, and economically compliant companies. Further, with raw materials being a primary contributor to our total greenhouse gas emissions, we are engaging with our Supplier Partners to identify innovations and technologies with lower carbon footprint that can help us be more efficient in our own operations.*

*WINPAK has embraced Sustainability with conviction and passion. With the same focused and dedicated support of our Supplier Partners, we will succeed!”*



**Randy Zastiko**  
Director, Corporate Supply Chain



# PLANET FOR FUTURE GENERATIONS

Several issues defining our industry at this time include:

1. Food Security
2. Plastic Waste
3. Climate Change

Specific to climate change, WINPAK understands we must take action today in order to be a good steward of the environment for current and future generations. Climate change represents one of the biggest challenges the earth and humankind face with effects such as temperature rise, extreme weather events, shrinking ice caps, melting glaciers and sea level rise occurring. WINPAK is committed to transitioning our industry towards a carbon-neutral footprint. We do this by innovating solutions that protect and extend the shelf life of food and other products, along with reducing the embedded resources required to bring those products to market. We ensure our manufacturing sites operate efficiently in order to reduce waste and minimize environmental impact. Additionally, WINPAK employees are empowered and engaged, within and outside the company, to take action and make a difference.

We have fantastic examples of our engagement outside of our own walls with our participation in The Ocean Conservancy and Dow Chemical's action to clean waterways, and internally, celebrating our first site achieving zero waste to landfill (see below) and the many actions throughout WINPAK to reduce energy consumption, waste generation and the immense efforts leading to developing many brand new recycle-ready products.

Our adopted goals represent WINPAK's commitment to reducing its impact on the environment through reduction in both energy and GHG emissions intensity, along with eliminating waste sent to landfill. Our 2,500 employees are committed to meeting and exceeding these goals through high level engagement and implementation of impactful projects.

ZERO WASTE TO LANDFILL

Numerous examples exist within WINPAK of projects executed to reduce waste sent to landfill. These examples include the obvious such as recycling of cardboard, foil, beverage containers, office paper, batteries, etc. And there are examples of a site pushing itself to get all the way to zero waste to landfill. WINPAK Portion Packaging (WPP), Toronto is now a Zero Landfill facility, supporting WINPAK’s corporate goal for all our business units to be Zero Landfill by 2025.



Employees from WINPAK Portion Packaging, Toronto.

Over the past 5 years, WPP Toronto has diverted almost 90% of its general waste away from landfill. They have been able to recycle or reuse waste from the following sources:

- Plastic
- Chemicals
- Non fine paper
- Fine paper
- Corrugated items
- Metal
- General waste
- Office supplies
- Glass bottles/aluminum cans
- Scrap pallets
- Used gaylords

In 2019, WPP Toronto employees worked diligently to find an Energy From Waste (EFW) site. Their efforts paid off when they discovered U-PAK, a waste/recycle company conveniently located across the street from them. U-PAK was able to transport WPP’s unusable waste to an EFW site which burned the waste to generate steam. The steam runs a neighboring paper mill and generates excess electricity, which is sold back to the grid.

Not only is WPP Toronto’s unusable waste now being diverted from landfill, they are also reducing the carbon footprint required to transport this waste. U-Pak’s primary location is just a few hundred feet away and the EFW location is only 10.2 kilometers away.

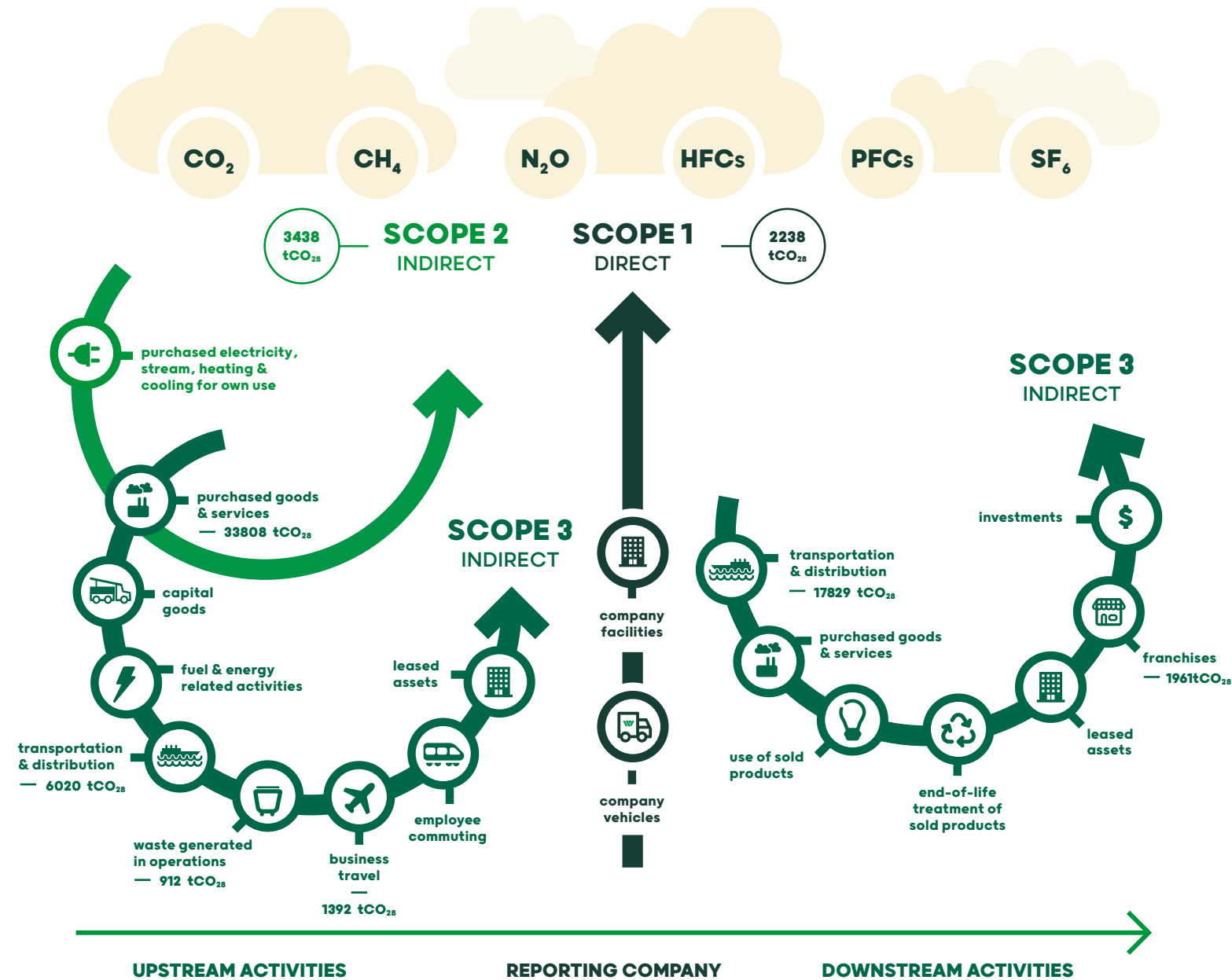


REDUCING GREENHOUSE GAS (GHG) EMISSIONS

As part of our commitment to corporate transparency and reducing GHG emissions, WINPAK files with Carbon Disclosure Project (CDP). The process and results help our Operational, Supply Chain, and Innovation teams understand major contributors to our carbon footprint and levers they can use to positively impact emissions reductions. In our first two years of disclosure, WINPAK has proudly achieved scores of B- and B, respectively.

Our emissions are grouped according to the GHG Protocol. The GHG Protocol frames a business' GHG emissions according to three Scopes of activities, as shown in the figure below:

At WINPAK, our GHG emissions intensity goal is established for Scopes 1,2 and 3 emissions.



In the coming years, WINPAK will report its progress towards achieving its >10% GHG emissions intensity vs its baseline data.

MINIMIZING ENERGY USE

Through employee engagement and launching its Energy Management Program (EMP), WINPAK actively seeks ways to be more efficient with energy usage. Below are examples of projects recently implemented to support these efforts. WINPAK expects projects like these and ongoing efforts of our EMP will support achievement of our >10% energy intensity reduction.

- Changes to our operations procedures to turn off machines and ancillaries when they are not operating
- Installation of insulation blankets for all our extrusion equipment
- Implementation of a compressed air leak management program
- Installation of waste-heat recovery systems to move waste heat from our process to provide beneficial heating in other parts of the building
- Energy Performance Analysis of building ventilation systems (heating and cooling) and implementation planning of the energy conservation measures
- Energy Performance Analysis of process cooling
- Life Cycle Cost Analysis which resulted in procurement of energy efficient equipment for two large manufacturing lines
- Vacuum pumps upgrade with variable speed drive capacity control
- Installation of new variable speed drive air compressors
- Replacement of obsolete make-up air units with energy efficient units to reduce gas consumption and carbon emissions

*"Globally the industrial sector is responsible for around 33 percent of total energy consumption. With rising energy costs and the impacts of climate change, the need to monitor and reduce energy consumption is more important than ever before. Therefore, improving energy efficiency at WINPAK is a strategic priority."*

*WINPAK initiated its Energy Management Program (EMP) in 2018. As part of this EMP, we partner with Manitoba Hydro at our flagship site to reduce energy consumption and promote the long term environmental and economic sustainability of our organization.*

*Energy consumption can be controlled and often reduced by implementing measures that do not require significant investment. In the last year, WINPAK has made significant improvements by making slight changes to the way a process or equipment operates. Even small changes, when implemented broadly at a company of WINPAK's size, can bring about meaningful improvement."*



**Daniela Hinkson**  
Manager, Capital Projects  
WINPAK Division

# LOOKING AHEAD

Our company and our industry are now at a critical point. How do we advance packaging sustainability amidst a value chain facing disruption both from a pandemic and from consumer expectations?

As a company, our stakeholders expect us to consider environmental, social, and economic factors in our decision-making related to investments, product innovations, and policy decisions. As noted earlier in this report, climate change remains a significant topic and one where WINPAK employs energy and material efficiency as a strategy to mitigate our environmental impact.

A key concept that has arisen in this unprecedented year is the idea of “becoming regenerative”. Regeneration is the process of renewal, restoration and growth, and it is what builds ecosystem resilience. We must push ourselves to develop or find opportunities in our value chain to innovate and do what is right for each of our stakeholders.



IT'S OUR NATURE TO PROTECT™

[WINPAK.COM](http://WINPAK.COM)

