



Business Innovators Summit

October 11, 2017





CKF DECLARATION

We will be an industry leader, growing through sustainable practices, innovative products and materials that reduce our environmental impact for present and future generations.

We create value for our stakeholders through productivity, continuous improvement and superior performance.

We conduct business in a safe, socially responsible manner with integrity and respect for the individual and the community.

CKF VALUES

- Adaptable
- Collaborative
- Forthright
- Results Driven
- Committed
- Accountable



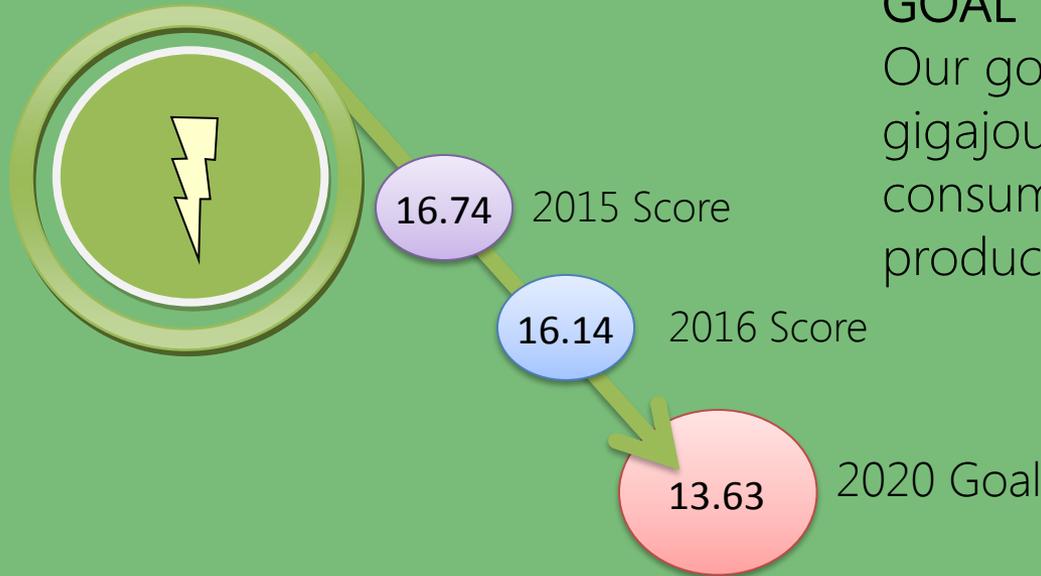
Sustainability

PLANET

Environmental sustainability at CKF is a large focus of business operations. Not only does sustainability help the environment, it also increases profitability of our company.



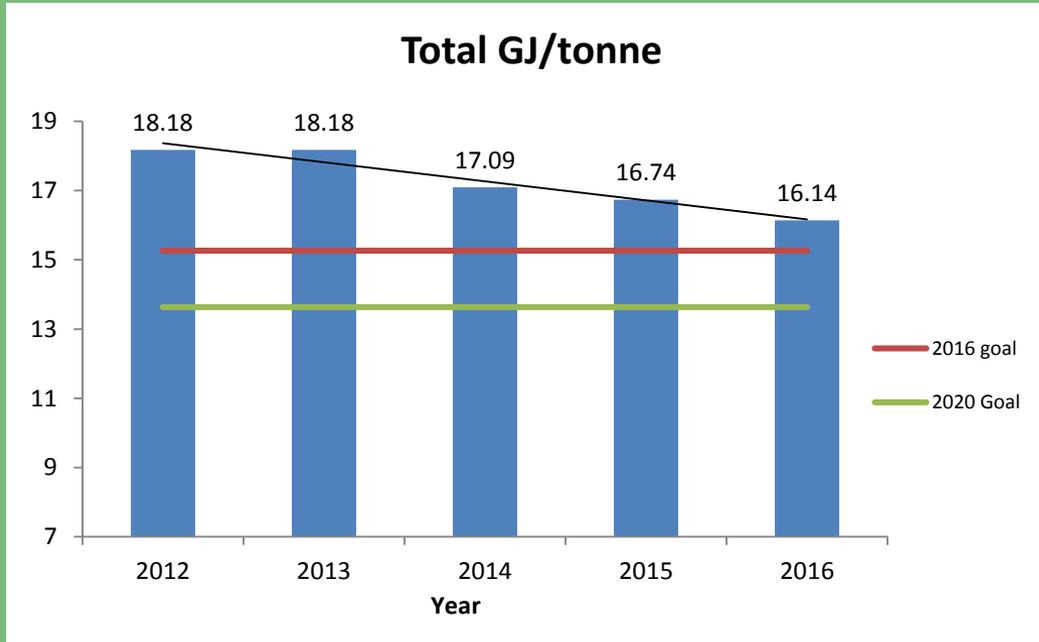
Energy Consumption



GOAL

Our goal is to reduce the gigajoules of energy consumed per tonne of product produced.

Energy Consumption



CKF has many ongoing programs and projects that will continue to reduce energy use and we are on track to achieve our goal of a 25% reduction from our 2012 usage by the year 2020.

Sustainability

ENERGY

At CKF energy conservation initiatives have delivered a 12% energy reduction measure in Gigajoules/ton of product since 2012. This has been accomplished by bringing together teams that combine people with technology to deliver sustainable reductions. Highlights of CKF's energy projects:

Natural Gas Boiler Upgrades

Heat Recovery Systems



Energy Management System (EMIS)

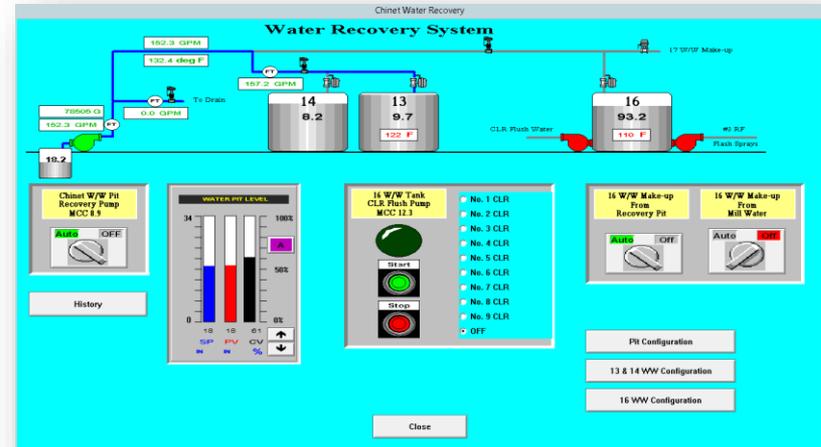
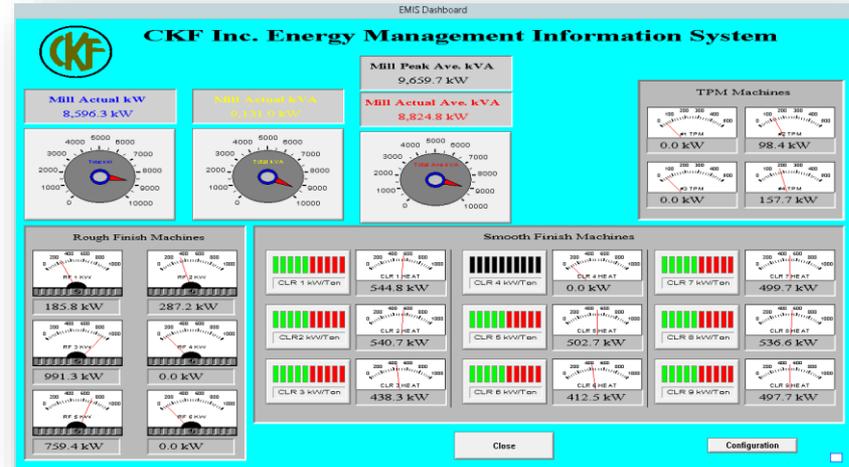
High Efficiency Motors

LED Lighting

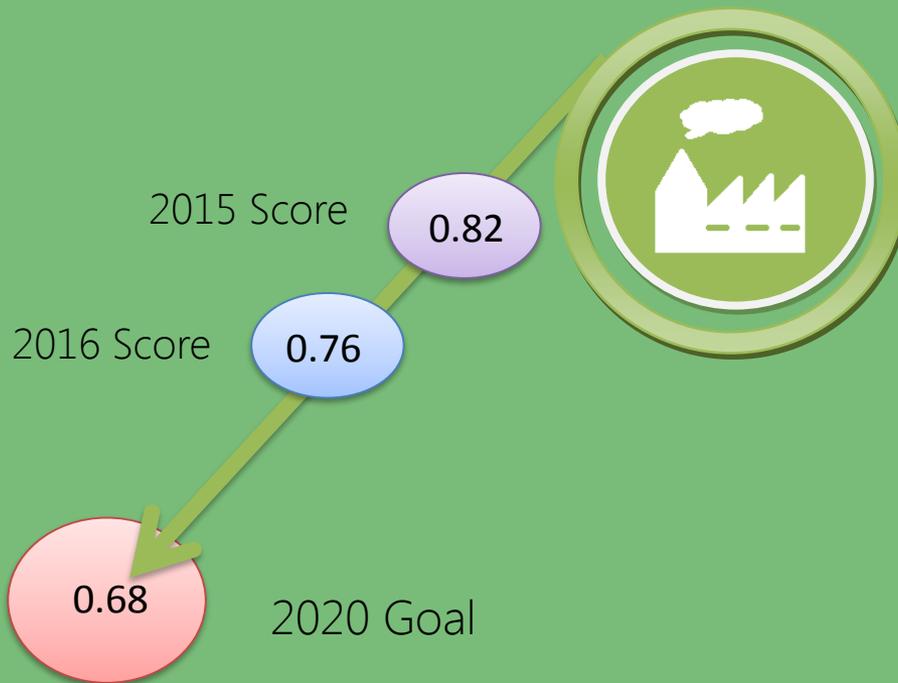
Compressed Air Optimization

Equipment Controls

Green Teams (Behavioral aspects of reducing energy consumption)



Green House Gas Production

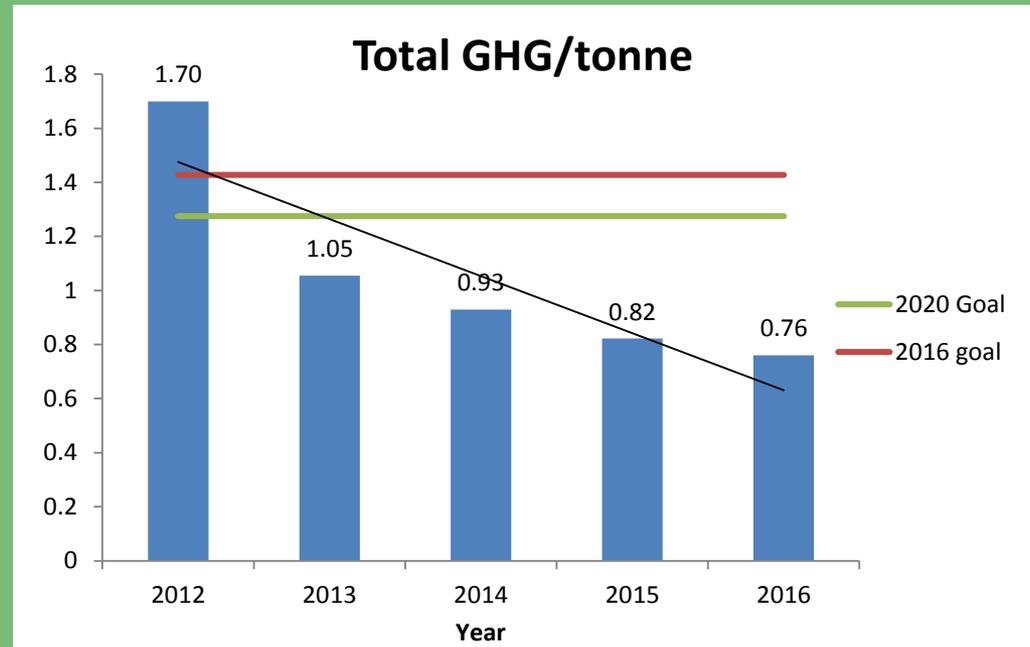


GOAL

The 2020 goal is to reduce GHG emission by 57.5% from 2012 levels. This is measured in Kilograms of Carbon Dioxide per tonne of product produced.

Green House Gas

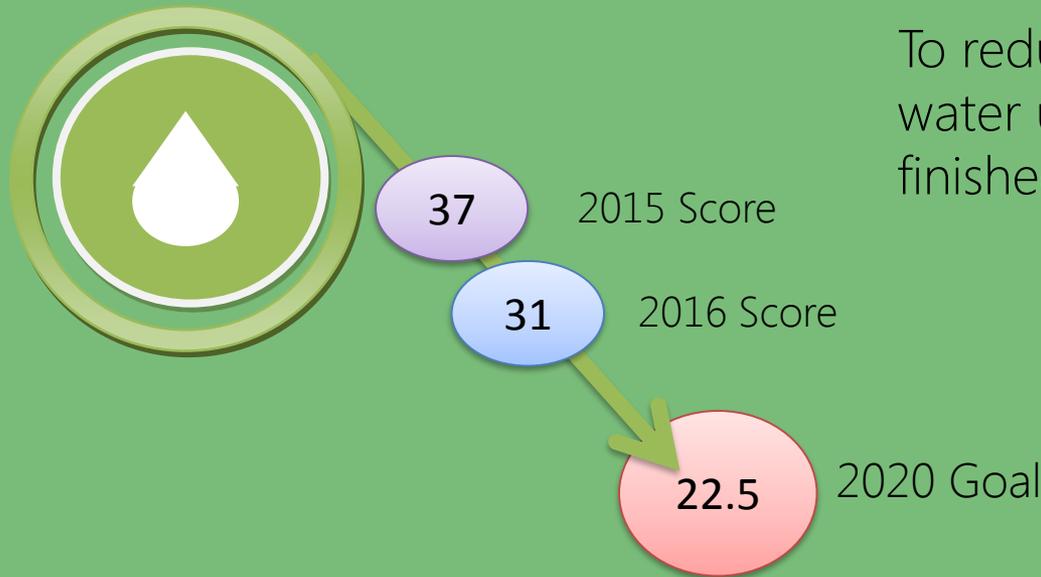
The GHG (Green House Gas) measurement contains both the emissions from our production facilities and the transportation used to distribute product to our customers. Our original goal, set in 2012 was to reduce emissions by 25% by 2020. In the 3 years since we launched our sustainability mission, we have reduced GHG emissions by a staggering 48.5%. We have now increased our 2020 goal to a total GHG emission reduction of 57.5% from 2012 levels.



Water Usage

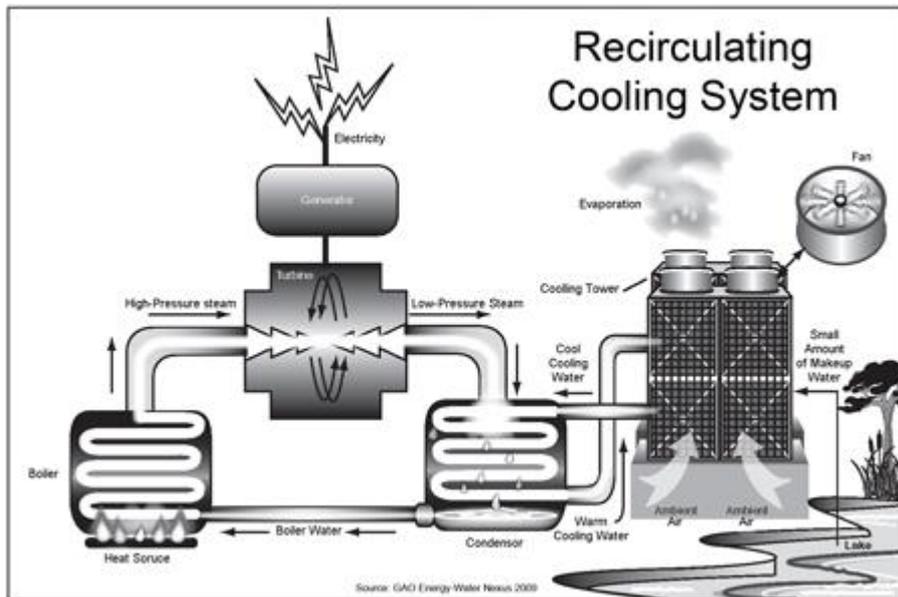
GOAL

To reduce the cubic meters of water used per tonne of finished goods produced.



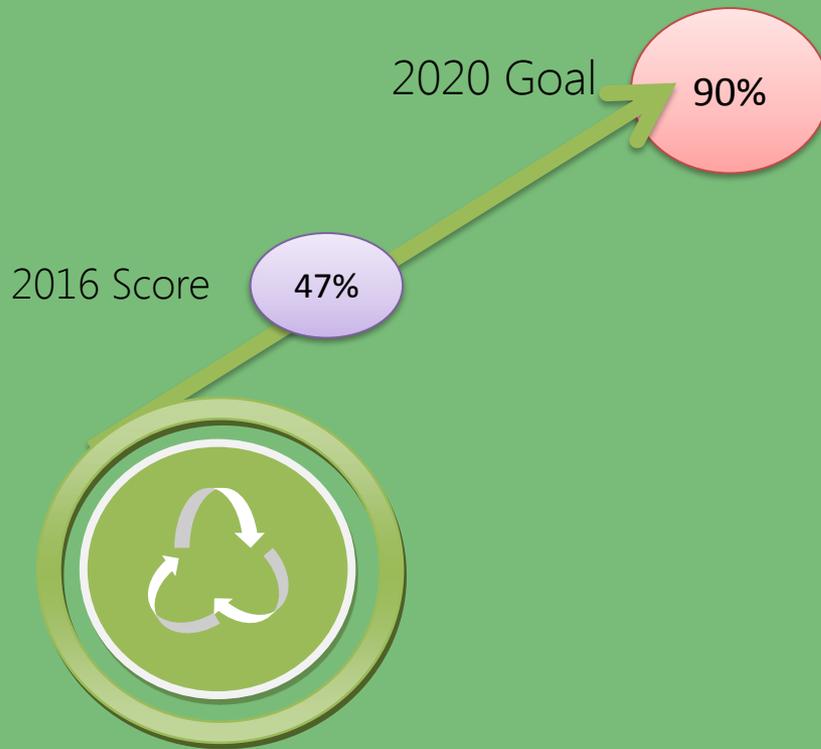
Sustainability

WATER



CKF pulping and molding operations operate closed loop systems (same water is circulated over and over in the operation) and CKF's plastic operations use water for cooling applications only (no process water) which is evaporated. Our goal is to continue to look for methods to reduce the use of water in our operations where ever possible.

Zero Waste

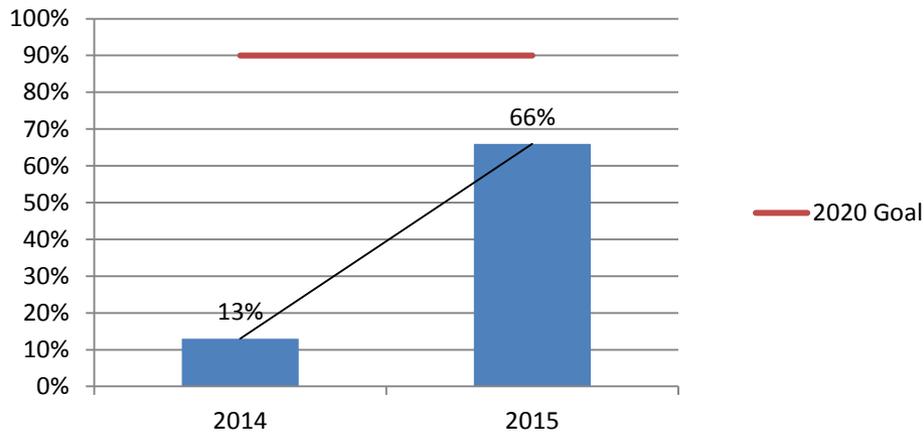


GOAL

Our goal is that 90% of the waste produced by CKF's operations (Excluding waste from our recycled paper stream) is diverted from landfill by 2020.

Zero Waste

Total Waste Diversion



In the last several years, we have been able to capture more waste items, such as organics, plastics and wood and divert the materials away from the landfill. In 2015 we increased our waste diversion by 50% from 320 metric tonnes to 493. In addition, we are working to reduce the amount of waste being generated in house by either reusing it in processes or by reducing the amount and volume of materials that is used to package the supplies we purchase for our own use.

Sustainability

PEOPLE

At CKF maintaining relationships with the employees and the community is a major part of the day to day business. We believe in order to make a work environment efficient and safe it all leads back to the engagement of our staff.



SAFETY



COMMUNITY INVOLVEMENT

“Great things in business are never done by one person. They're done by a team of people.” -Steve Jobs

Sustainability

SAFETY

We pride ourselves on a proactive safety culture which is reinforced and supported at all levels of the company. Our commitment to safety is on-going as we work towards a zero incident record.



WORKPLACE
HAZARDOUS
MATERIALS
INFORMATION
SYSTEM

HOT WORK PERMIT

The Supervisor, in issuing this Permit, certifies that all safety factors have been considered and cared for satisfactorily.
Return this Permit upon completion of the job which it is to cover to the authorizing Supervisor. The Supervisor will write "complete", date and initial across the face of the permit.

Area of Hot Work _____

Work to be Done _____

	YES	NO	N/A
1. Read the Hot Work Permit Procedure.			
2. Work area and equipment has been made free of flammable, combustible, and hazardous materials.			
3. Gas Test taken.			
4. Is a fire extinguisher on the job?			
5. Smoke alarms covered?			
6. Lines (disconnected and/or blanked)?			
7. Is a fire watch provided?			
8. Adjoining equipment and operations considered OK from standpoint of possible effect on the job.			
9. Other necessary precautions, SPECIFY: _____			

APPROVAL
I have personally checked the conditions necessary and as specified. I authorize this "Hot" work to begin.
APPROVED BY _____ DATE _____ TIME _____

HOT WORK PERMIT IS GOOD FOR _____ HOURS ONLY.
THIS PERMIT CAN BE ISSUED FOR ONLY ONE SHIFT.
IT BECOMES VOID AT THE END OF THE WORK SHIFT DAY.

Sustainability

COMMUNITY INVOLVEMENT

An integral component of our Sustainability Mission is people. As an 85 year old company, we realize that our people are our greatest asset which is why we have incorporated social aspects into our Sustainability Action Plan.

We have set goals for Employee Engagement and Community Involvement. Local communities are important for our employees and our business, so we participate and assist in developments. Safety has always been and will continue to be an important corporate goal of CKF.

We have established Green Teams in each of our factory locations. The Green Teams are responsible for identifying local projects that will benefit the environment and draw the community together. Examples include planting vegetable gardens and trees in the community.



Sustainability

COMMITMENT

CKF has had a long tradition of Environmental Stewardship and social responsibility. In 2013 the company created a Sustainable Development Plan with specific goals and targets. This plan is the roadmap to a more positive impact on the environment and greater social awareness while continuing to improve economic business performance. We focus on creating green, environmentally friendly products using recycled materials where possible while striving to make all our products recyclable and/or compostable. We're also committed to improving manufacturing processes to achieve as light an environmental footprint as possible.

Sustainability

CERTIFICATIONS

CKF pulp products are recognized and approved by the Biodegradable Products Institute. BPI certified pulp products are defined as products that possess the ability to break down completely using home or commercial composting methods. CKF products have been rigorously tested to ensure all pulp products can be recycled quickly and efficiently. This feature contributes to a reduction in landfill use.



Sustainability

ENVIRONMENTAL CHALLENGE

Polystyrene has superior insulating properties which keep food fresh and help guard against leakage.

Polystyrene serves as a very strong and sanitary vehicle for delivering prepared foods to customers and is efficient to manufacture.

Polystyrene does not deplete Ozone and in finished form consists of 95% air. This low density material helps lighten the weight of truckload shipments which, in turn, reduces transport emissions.

Polystyrene makes up only half a percent of all discarded material. In a landfill environment, product across all categories break down very slowly. Polystyrene can serve as a support base for the overall landfill load, as its strong features assist landfill base.

Polystyrene can also be disposed of by method of Incineration. When properly captured at the appropriate facilities, Incinerated Polystyrene can provide an energy source with a 40% return.

In a 1991 study from the University of Victoria, "Science and the Environment – The Great Cup Debate", researchers found that once incinerated, polystyrene left only water and trace amounts of ash.

Sustainability

RECYCLING

100% Recyclable. Made with 95% Air. Recycled Economically.

CKF Supports Canadian Plastics Industry Association (CPIA) in PS Foam Recycling

CKF is a member of CPIA and a proud supporter of their efforts in informing the marketplace about PS foam recycling.

CPIA is a group dedicated to communicating economic, social and environmental facts behind plastics manufacturing. They are committed to diverting different types of plastic waste from landfill through the use of various waste management options. CPIA has worked with the Canadian government on a number of ground-breaking recycling initiatives. Currently, within the market CKF serves, a number of municipalities have adopted the recycling of polystyrene products into the 'Blue Box Program'. This polystyrene recycling is a growing trend. The province of Ontario is already accepting containers in over ½ of the municipalities.

In Nova Scotia we are densifying foam in Kings & Colchester Counties.