



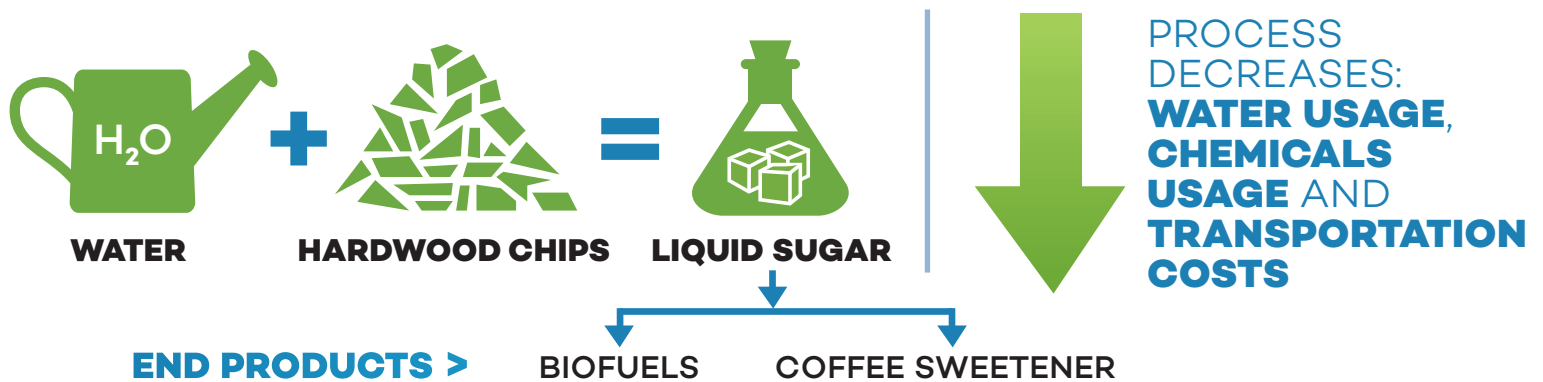
PULPING WITH HOT WATER

Cascades Canada has the first mill in Canada to implement a technology using hot water to extract hemicellulose, a cellulosic sugar found in wood fibre, to produce new value-added products.

- the Hemicellulose Hot Water Extraction Process Project replaces the existing soda-based chemical pulping process with a more environmentally friendly process
- hot water is used to extract hemicellulose, a natural polymer found in plant cell walls, which is transformed into a concentrated liquid sugar.



UTILIZING CANADA'S FORESTS: RESULTS EXPECTED



INNOVATING WITH WOOD

- an important and unique advancement in the biorefinery technology development in Canada
- the hemicellulose stream can be used to make a number of products ranging from biofuels to a zero-calorie sweetener
- the new process allows the facility to continue to produce traditional corrugated paperboard

POTENTIAL OPPORTUNITIES

- ENVIRONMENT: CHEMICAL USAGE AND DISPOSAL AND TRANSPORTATION COSTS REDUCED**
- COMMUNITY: ECONOMIC BENEFITS TO THE LOCAL COMMUNITY AND SURROUNDING REGION**
- ENVIRONMENT: WATER IS RECYCLED**
- ECONOMIC: REDUCES COSTS AND CREATES NEW MARKET OPPORTUNITIES**



CASCADES CANADA IS A LEADER IN THE PRODUCTION AND CONVERSION OF CORRUGATED PRODUCTS, TISSUE PAPER AND SPECIALTY PRODUCTS IN NORTH AMERICA

PROJECT LOCATION:
TÉMISCOUATA-SUR-LE-LAC, QUÉBEC

The process represents the kind of innovation that can make Canada's forest sector vibrant in the years ahead.

Investments in Forest Transformation Program: In 2010, Natural Resources Canada's Canadian Forest Service created the Investments in Forest Industry Transformation Program (IFIT) to support Canadian companies to develop and grow markets for new and innovative high-value products using Canada's forest resources. *For more information www.nrncan.gc.ca/forests/federal-programs/13139*

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Aussi disponible en français sous le titre : Réduction du bois en pâte avec eau chaude

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