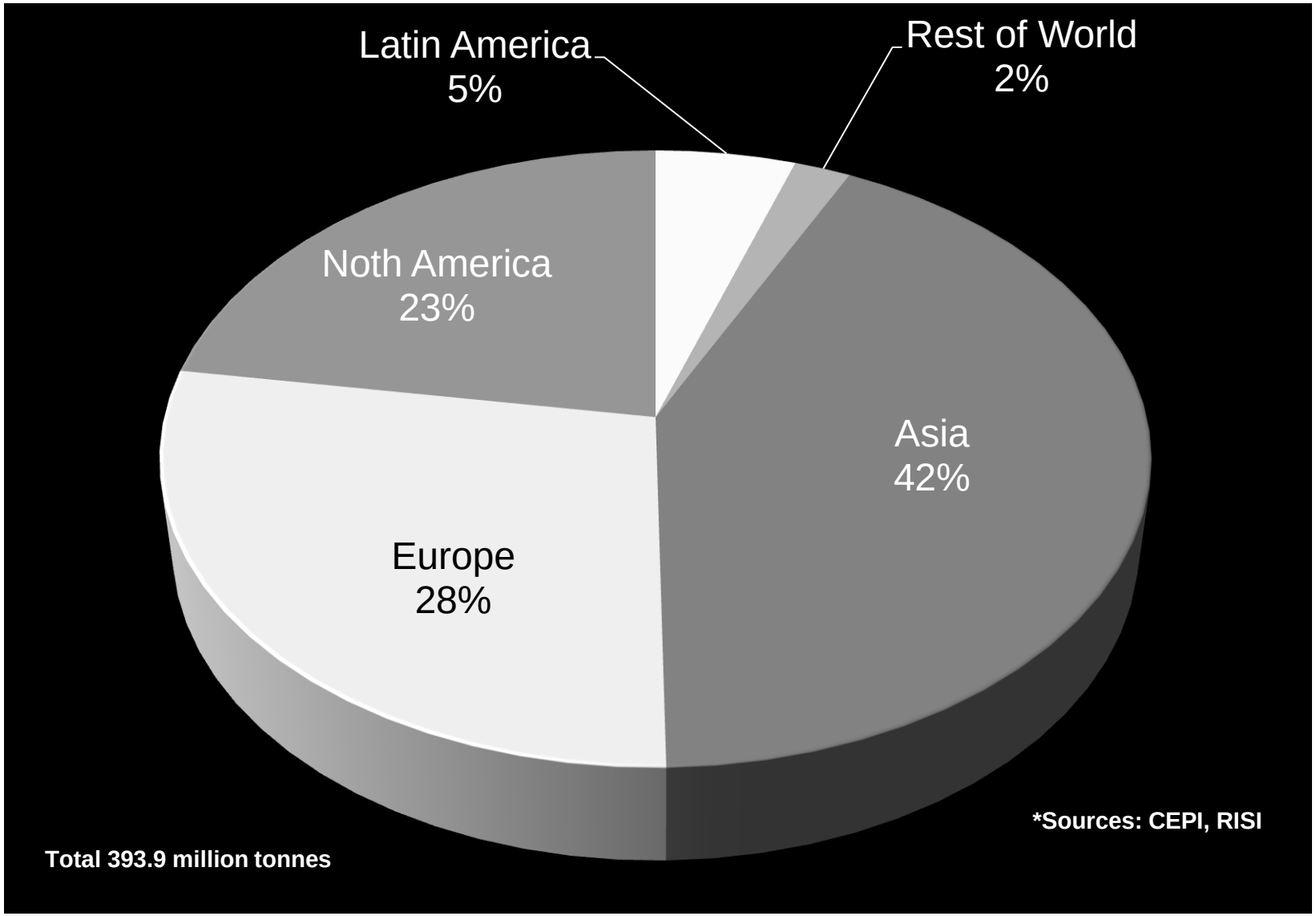
Water Use and Reuse in an Intergrated Paper Mill

Carson Barry – NewPage Corporation

2011 Board and Paper Production by Region*



Global Paper Consumption Trends

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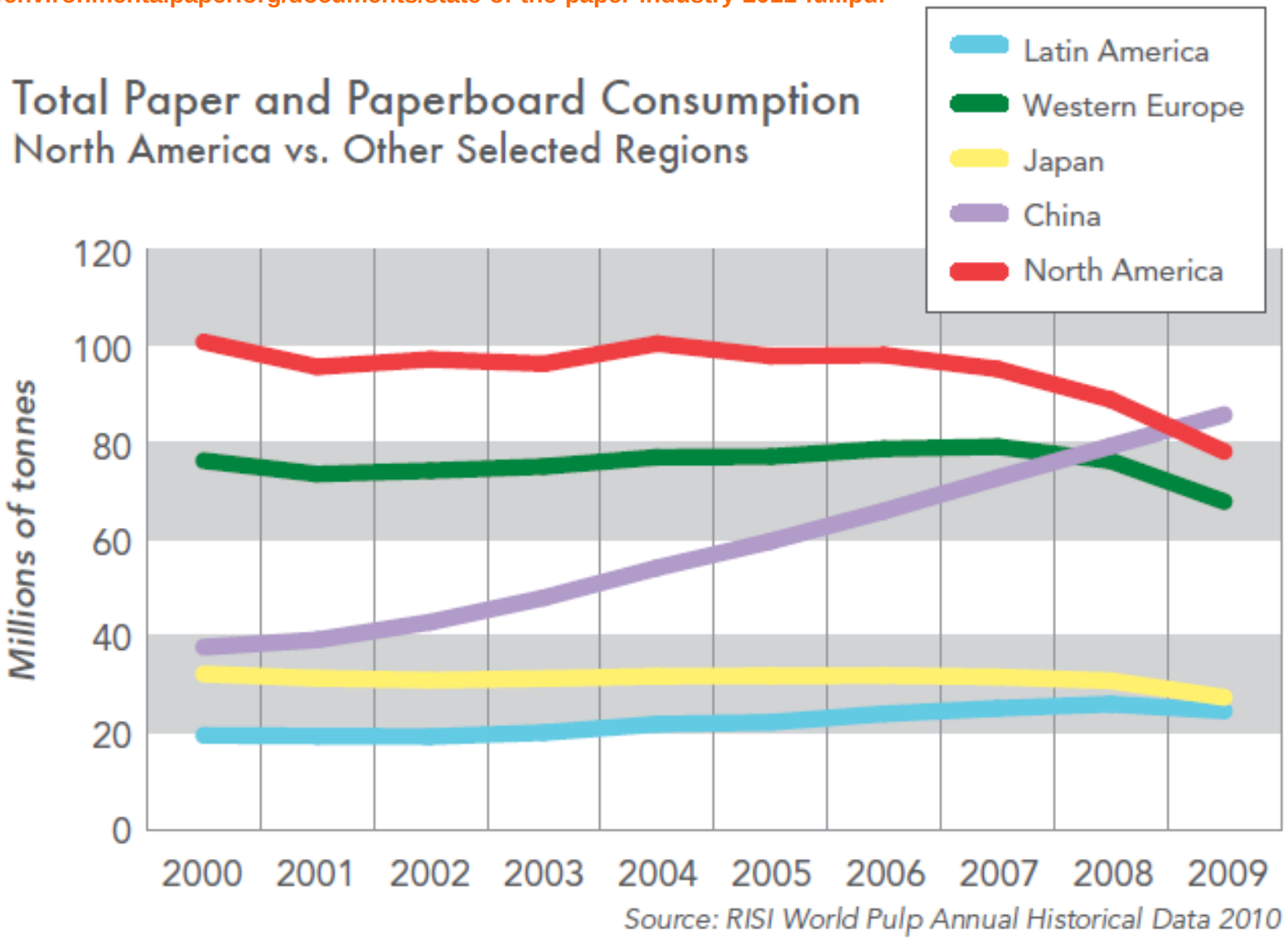
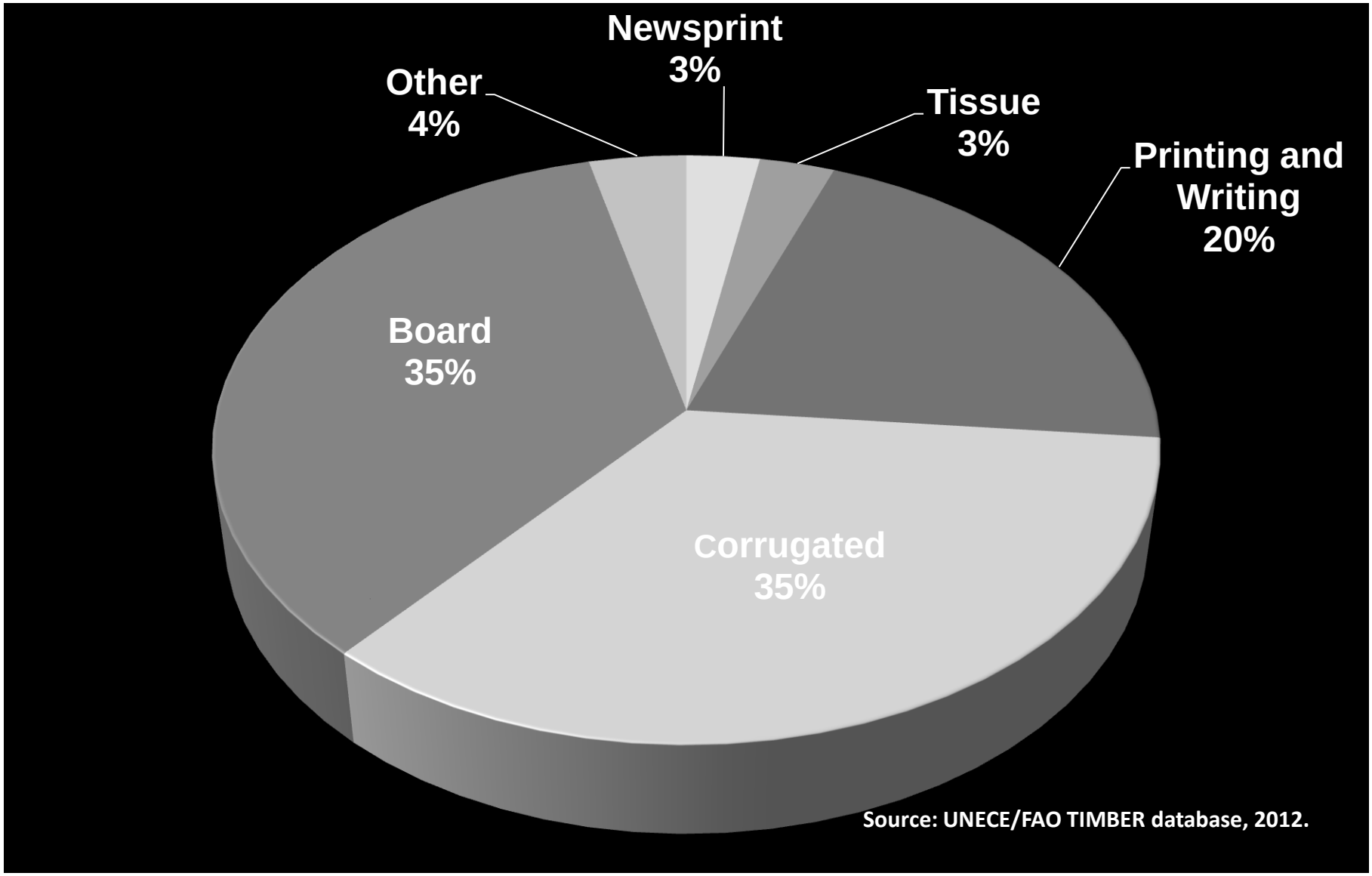
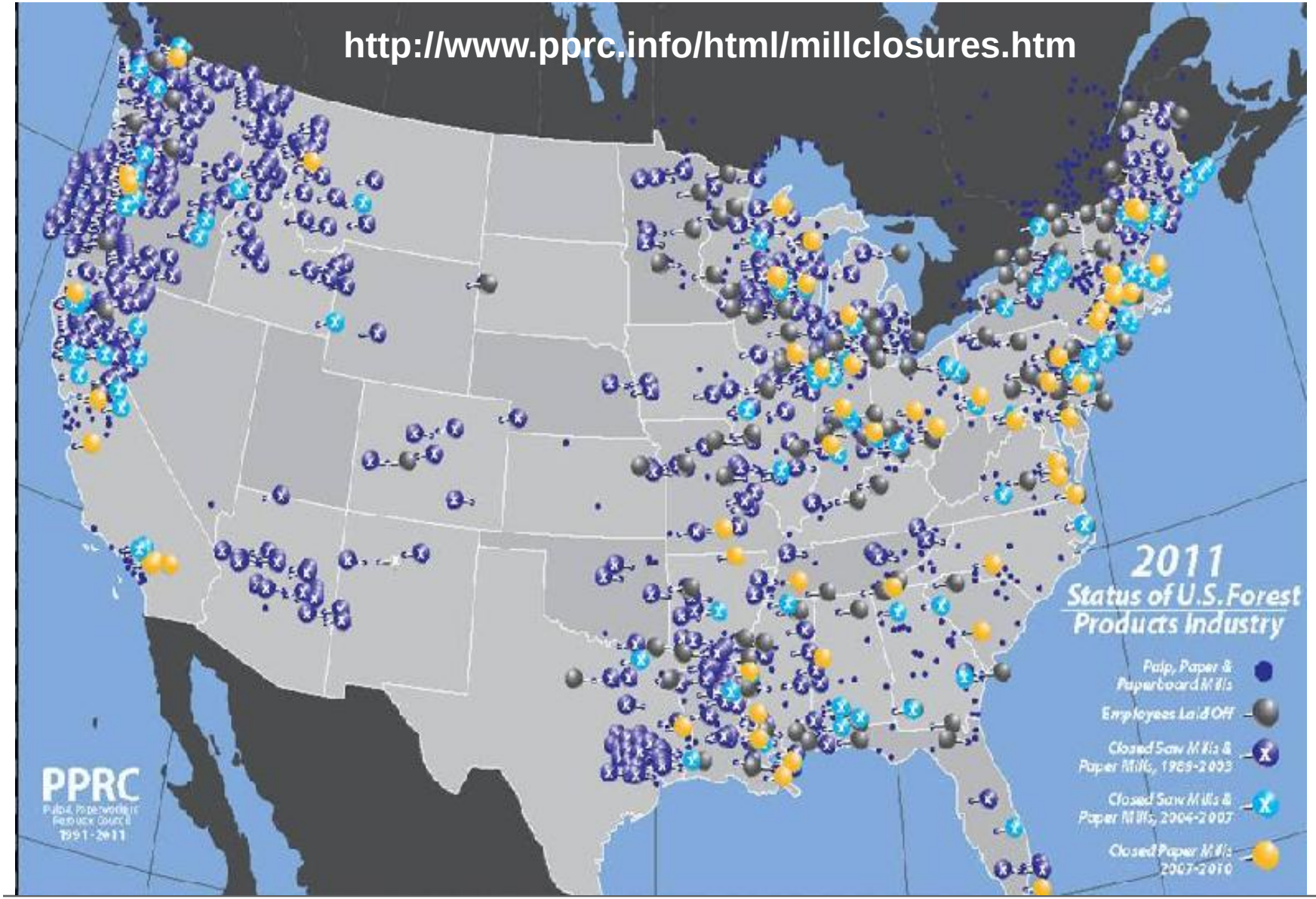
http://environmentalpaper.org/documents/state-of-the-paper-industry-2011-full.pdf



US Paper Segment Breakdown (Tonnage)



US Pulp and Paper Mills



Canadian Pulp and Paper Mills

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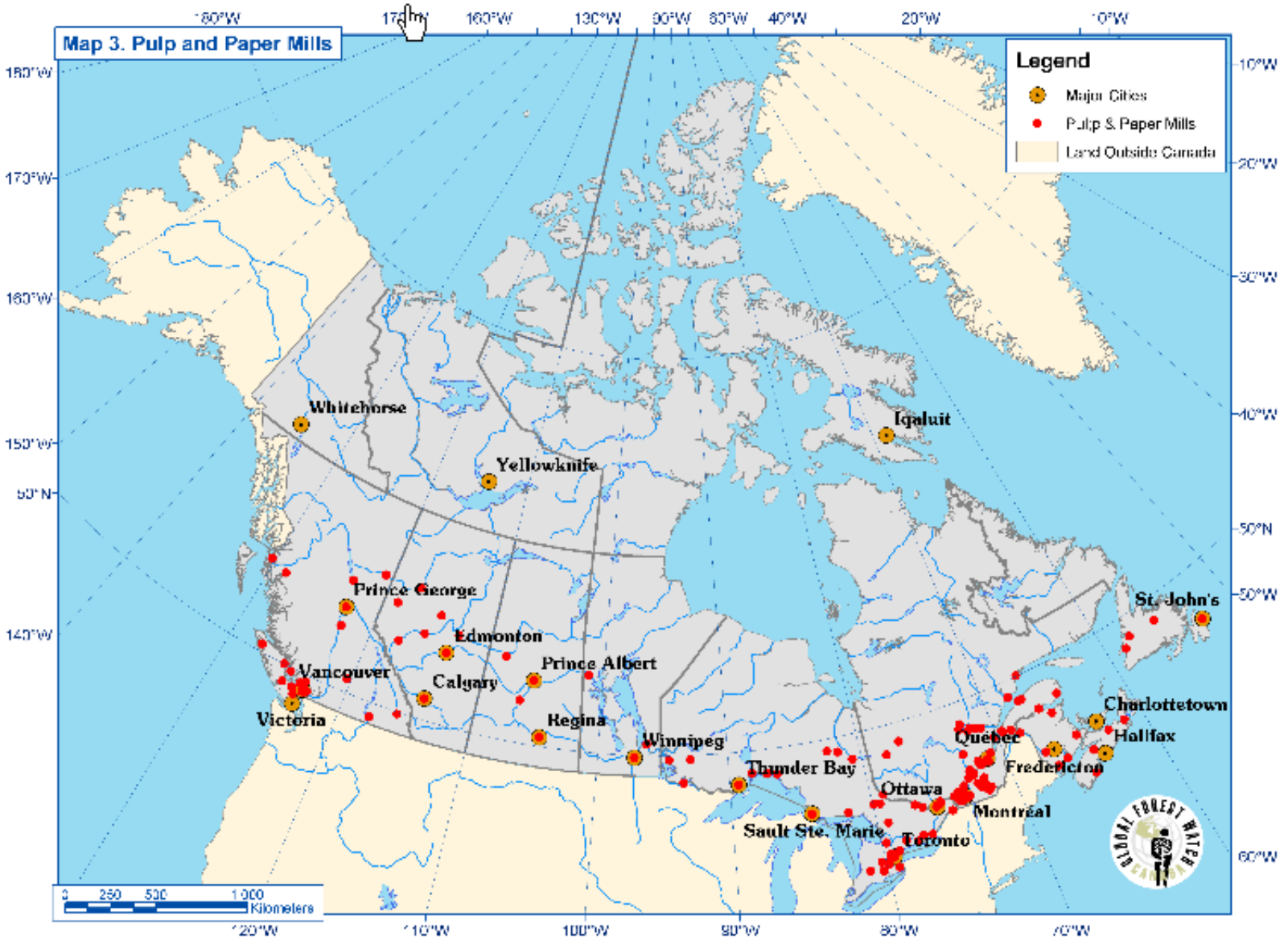

US Paper Industry Stats

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EMPLOYMENT	
Forestry & Logging	107,100
Wood Products	388,600
Pulp & Paper	391,400
Total Employment	**887,100**
ANNUAL PAYROLL INCOME *(in thousands of dollars)*	
Forestry & Logging	$3,073,000
Wood Products	$16,501,000
Pulp & Paper	$29,911,000
Total Compensation	**$49,485,000**
NUMBER OF MANUFACTURING FACILITIES	
Sawmills, Millwork, Treating	674
Engineered Wood and Panel Products	186
Other Wood Products	125
Total Wood Products	985
Pulp, Paper & Paperboard Mills	367
Converted Paper Products	4492
Total Paper Manufacturing	4859
Total All Segments	**5,844**

Source: AF&PA as of Dec/2012

Paper Mill Schematic

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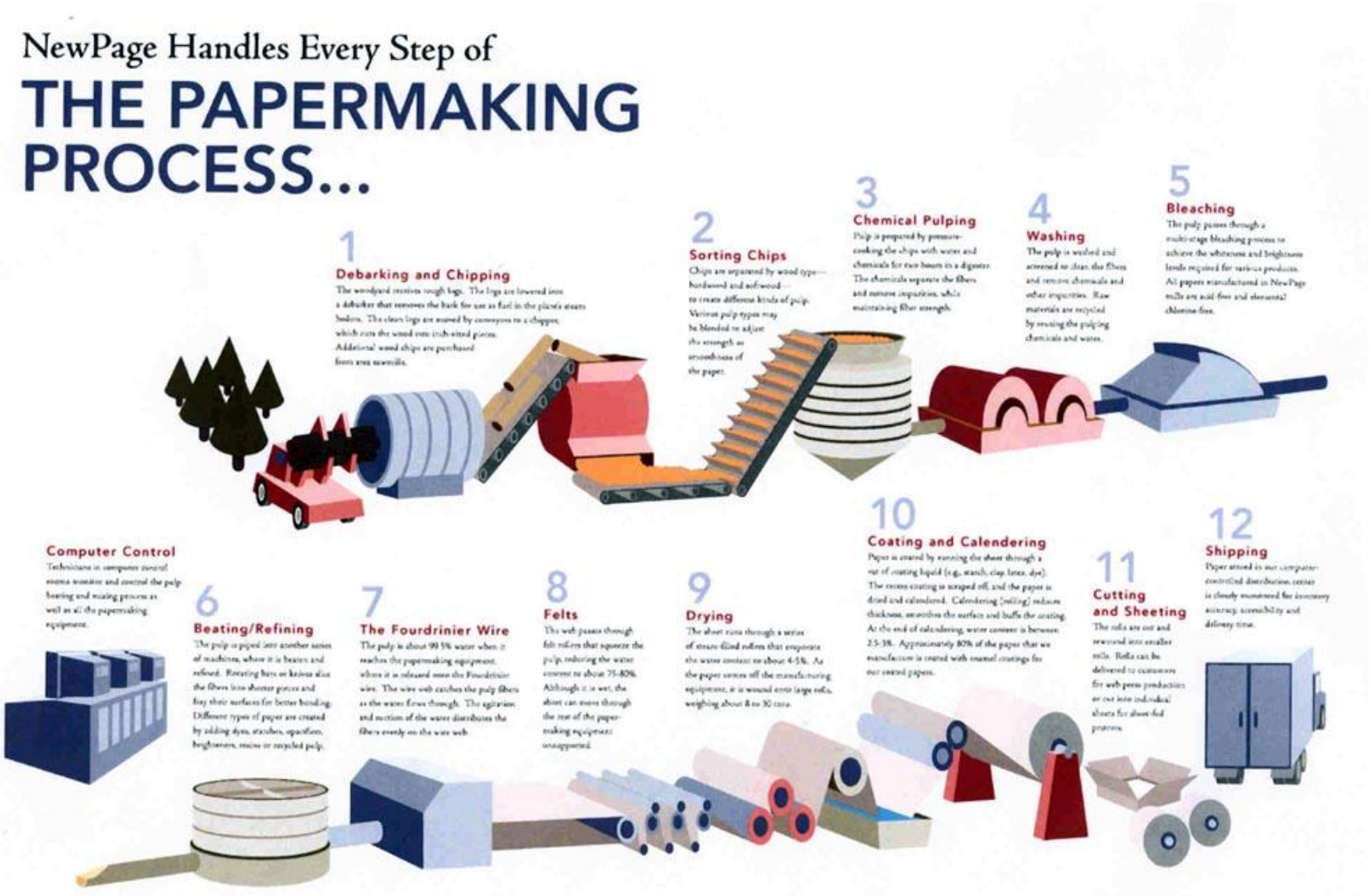

Water Use and Reuse In Papermaking Overview

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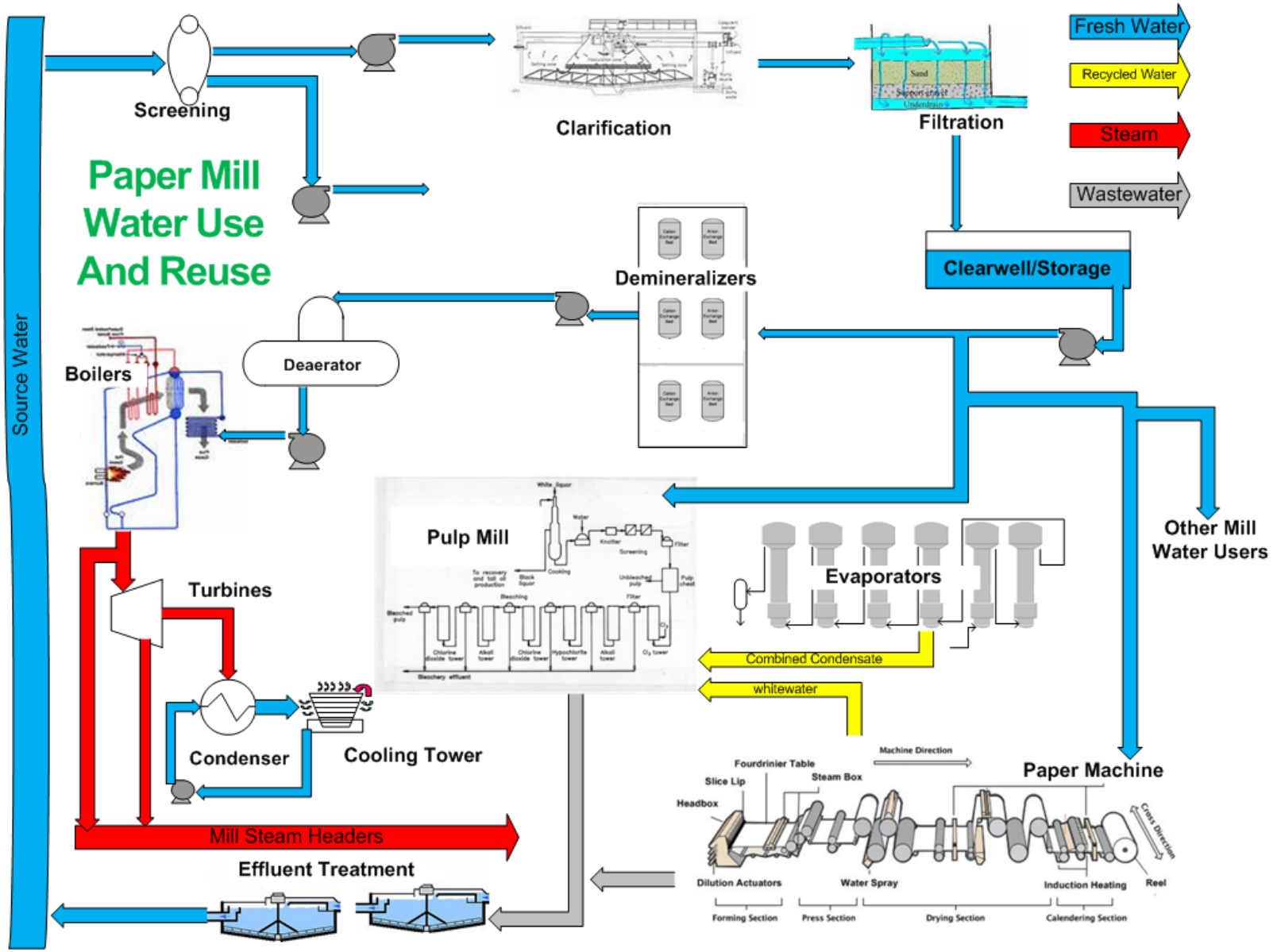
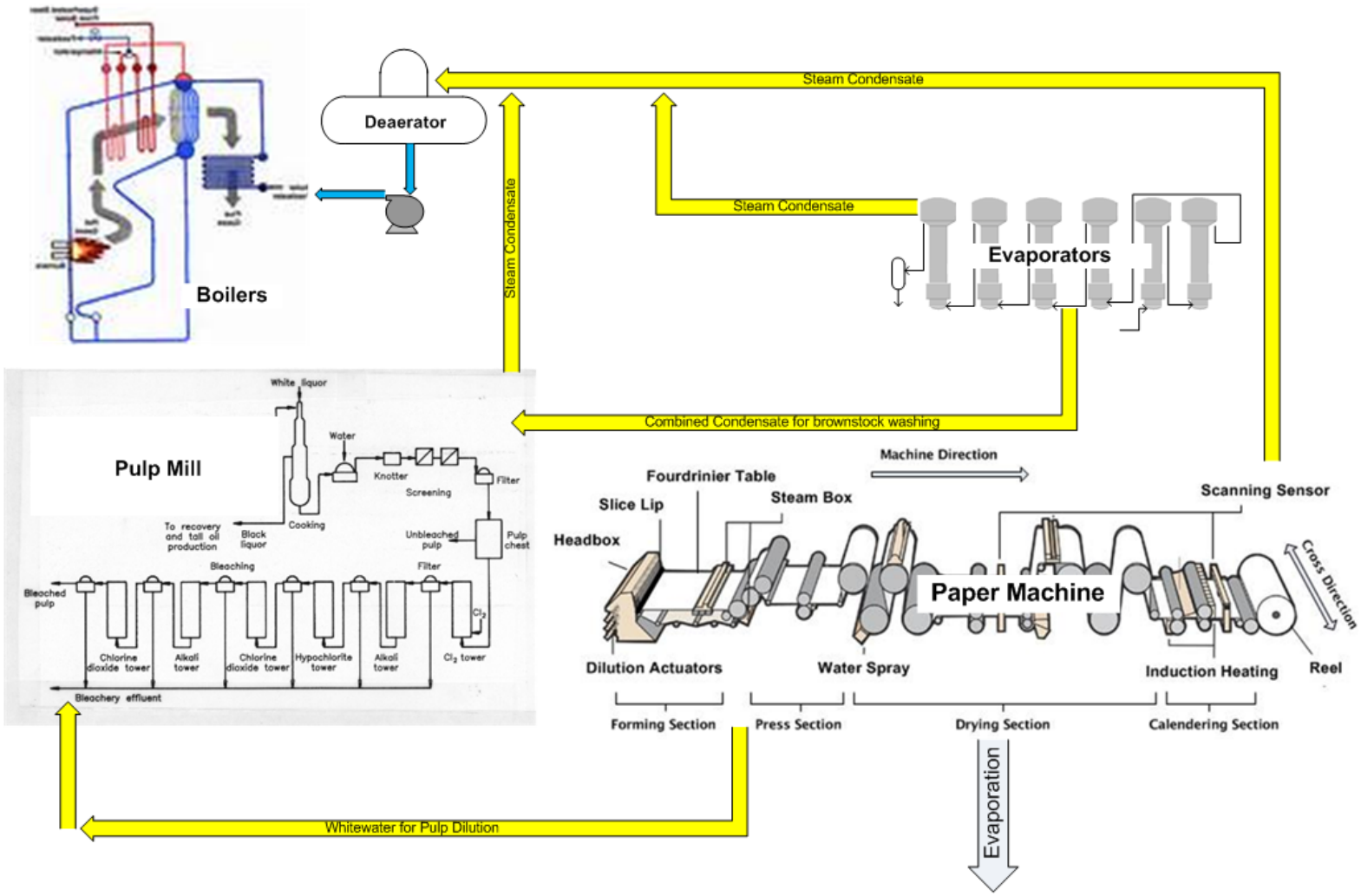


Paper Mill
Major Water Recycle Streams



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Millions of gallons per day

Fiber = **$**

Coating = **$**

Organics

Heat = **$**

Water = **$**

Thank You

Questions?