

Opportunities for Carton Recycling September 2018

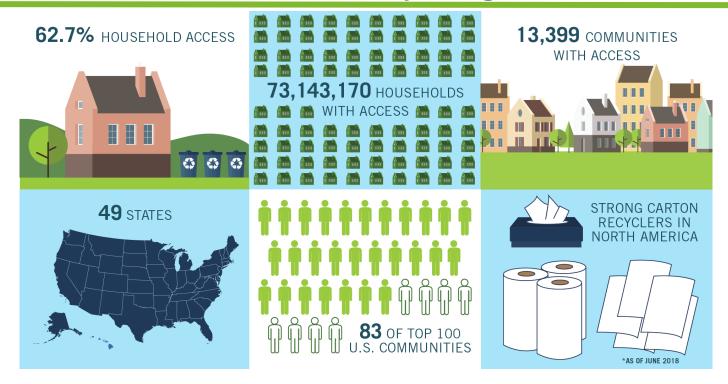
#### **Cartons are Recyclable**

- Carton recycling is a standard practice globally
- Cartons have been recycled in the U.S. for more than two decades
- Good domestic and export demand for Grade 52





#### **Current Status of Carton Recycling in U.S.**





#### Over 60% Access = Mainstream

- Food and beverage carton recycling is now recognized as mainstream
- The standard recycling logo can be used on all food and beverage cartons (according to the FTC Green Guidelines)
- 3. A broad, national call to action can be communicated





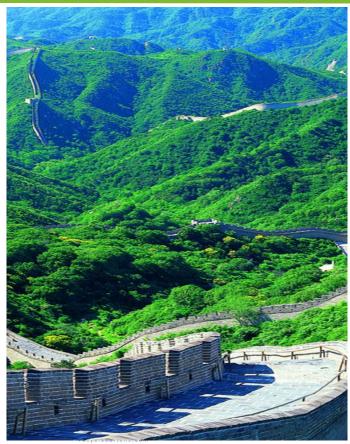
Cartons are Recyclab

Recognized by ISRI: World's Leading Recycling Markets Organization in latest advisory (Wastecon)





### Myth: China, Mixed Paper and Cartons



#### Facts

- China has never been a home for US Post Consumer Aseptic and Gable top Cartons
- Carton Council has always advocated for the sorting of Grade 52 because of overall value
- PC Carton bales are worth more than mixed paper bales

#### **Best Way to Ensure Cartons are Recycled**

#### Cartons (Grade #52):

- Carton pricing generally follows Sorted Office Paper (SOP) pricing varies by location of source, fiber mix, etc.
- Good domestic and export demand for sorted cartons
- Export pricing varies based on shipping container weights and locations





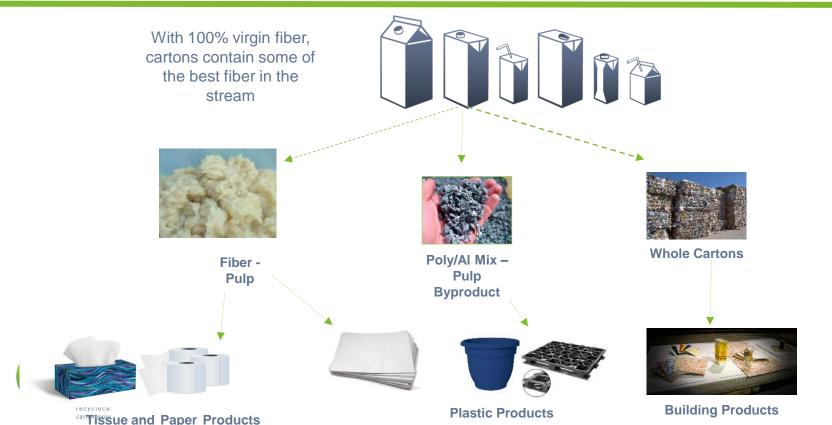
#### **Regional Sorters of Grade 52**

- Waste Management/Deffenbaugh Overland Park, KS
- Republic St Louis, MO
- Midwest Shredding Kansas City, KS
- Waste Management Little Rock, AR
- Hamm Lawrence, KS



#### **Demand for Post Consumer Cartons, Grade 52**

A variety of different uses for cartons



#### **Existing Recycling Infrastructure for Grade 52**

<u>Fox River Fiber</u>-De Pere, WI: 500 TPM capacity for Grade 52

CMR/Rewall, Des Moines, IA: 600 TPM capacity for Grade 52

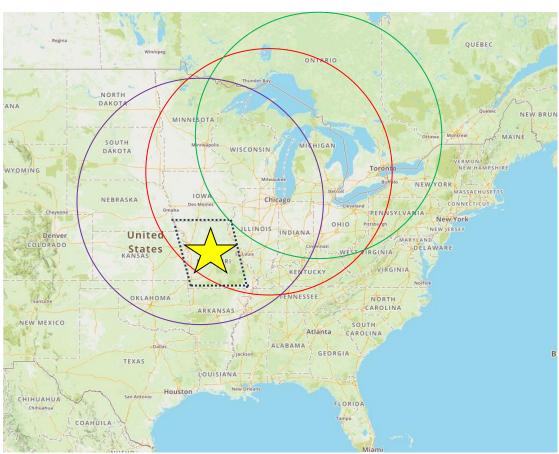
<u>Great Lakes Tissue</u>-Cheboygan, MI: 800 TPM capacity for Grade 52

KC Mexico (Ecatepec & Bajio Mill): 500-1000 TPM Capacity for Grade 52. KC Mexico's purchasing capabilities are throughout the US. They import loads via sea container, railcar and truck.

Additional recyclers in Malaysia, Thailand, Japan and South Korea

\*\*Circles show 650 mile radius of coverage





## **New and Expanding End Markets for Grade 52**

CMR/Rewall	Existing facility in Iowa. Looking to expand in US.
Ecomelida	New facility to be built in Orangeburg County, SC. Capacity of 10,000 TPM of Grade 52. Will use both fiber and poly & poly/Al residuals for finished products. Start up expected in Q2 2019.
Paper Corea	Recently installed pulping system at Gunsan, South Korea location. Capacity for North American Grade 52 is 1100 TPM. Plans to commence purchasing in Q4 of 2018.

# **Expected Recycling Infrastructure for Grade 52 in NA by**

Q3 2019



### The Value of Recycling Cartons

- Cartons represent some the highest-quality fiber in the stream.
- Programs that sort cartons as Grade 52 are moving materials for a competitive price
- Demand for higher quality of paper and containers in current market is a perfect opportunity to begin sorting Grade 52 out of other materials
- It's a win for your customers they want to recycle as much as possible (CCNA research; 2015, 2017)



#### Let's Solve the Right Problem...Contamination

- Disruption has happened before and will happen again
- Removing cartons from your recycling list will not lead to China lifting its ban on mixed paper.
- Sorting cartons into their own grade will create a valuable and marketable commodity
- Resources and time to communicate/re-educate consumers; just as a "rising tide lifts all boats" on adding materials, it can have the opposite negative effect when removing materials

