



Market Impacts on Material Recovery Facilities

Kansas Organization of Recyclers

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Hamm: MRF



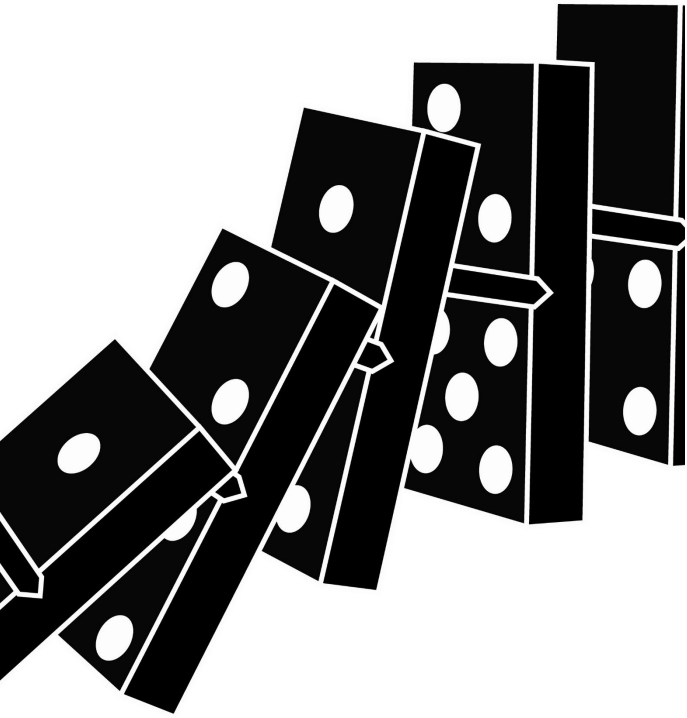
Sustainability - ESG

ACR TWO YEAR COMPARISON

USD \$/ST THROUGH MARCH

Material	2020	Present	%
Mixed Paper	34.38	4.88	-85.82%
Sorted Residential Paper and News	61.45	25.60	-58.35%
Corrugated Containers (OCC)	91.84	32.75	-64.34%
Aseptic and Gable Top Containers	22.50	2.50	-88.89%
Glass 3 Mix	-24.06	-19.06	-20.78%
Aluminum Cans (Sorted, Baled)	1221.20	1500.00	22.83%
Steel Cans (Sorted, Densified)	80.31	191.56	138.53%
PET (Baled,picked up)	193.40	276.80	43.12%
Natural HDPE (Bailed,picked up)	1518.80	1356.80	-10.67%
Colored HDPE (Bailed,picked up)	435.00	264.40	-39.22%
Comingled (#3-7, Baled, picked up)	-6.20	10.00	-261.29%
Low 2 Year	\$ 33.71	\$ 45.02	33.57%
Low 5 Year	\$ 26.02	\$ 45.02	73.01%
High 2 Year	\$ 130.36	\$ 45.02	-65.46%
High 5 Year	\$ 130.36	\$ 45.02	-65.46%

ACR - Future



ACR BEHAVIOR

Influencers

Watch for these in next few months

- New Supply, Consumer demand
- Credit tightening and interest rates
- China reopening strength
- Plastic regulatory schemes proliferate-expansion of bans, EPR pending legislation, deposit expansion
- Bottle making season beginning in April

SYSTEM STRESSES ARE EVERYWHERE

COSTS IN THE SYSTEM ARE HIGH BUT SIGNS OF LESSENING

Employees - Equipment - Contracts

- MRF workers & shortages continue nationwide
- Continued wage increases 2020
- Labor Supply Demand Curve
- Automation = Increased Investment
- Equipment – R/M costs increases at 15-20% YOY.
- Contracts and Pricing to reflect changes.