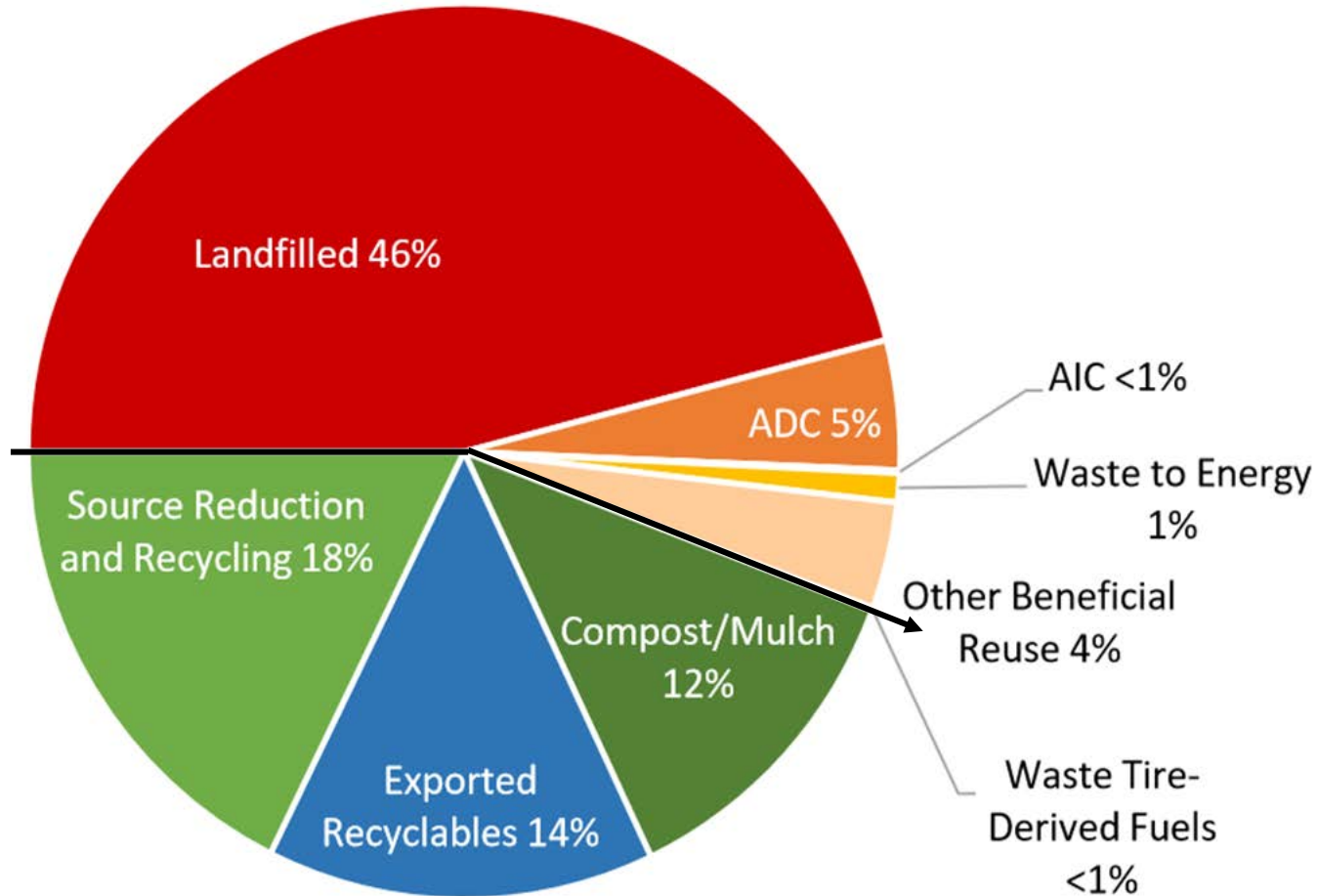




# China's Import Restrictions and California

# Export Markets and China's Import Restrictions



Roughly 1/3 of all recycled waste is exported

Estimated 76.5 million tons generated in 2016 – AB 341

# China's Policies Impacting Exports

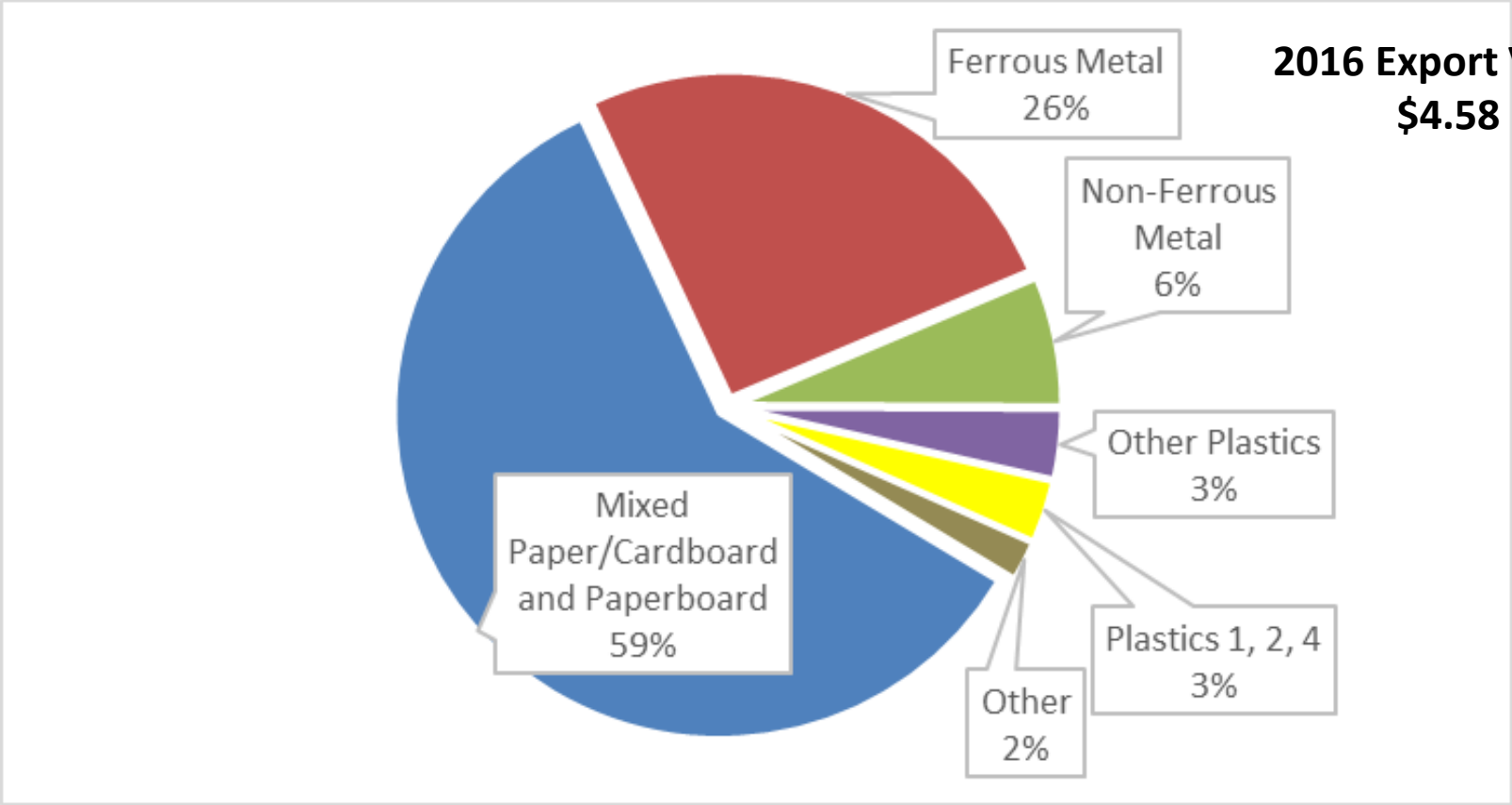
- 2013: Green Fence
- 2017: National Sword
  - Revision to National Sword



# Wastes Banned from Import to China

<b>Catalogue of Solid Wastes Forbidden to Import Into China by the End of 2017</b>	
<b>Type</b>	<b>Description of Solid Waste</b>
<b>Plastic</b>	Waste and scrap of ethylene polymer
	Aluminum – plastic composite film
	Styrene scrap
	Waste and scrap of vinyl chloride polymer
	PET waste scrap and scrap, not including PET beverage bottle (brick)
	Waste PET drink bottle (brick)
	Other plastic waste scrap and scrap, not including scrap disk broken material
	Scrap disk broken material
<b>Paper</b>	Other recovered paper or paperboard (including unsorted waste and scrap)

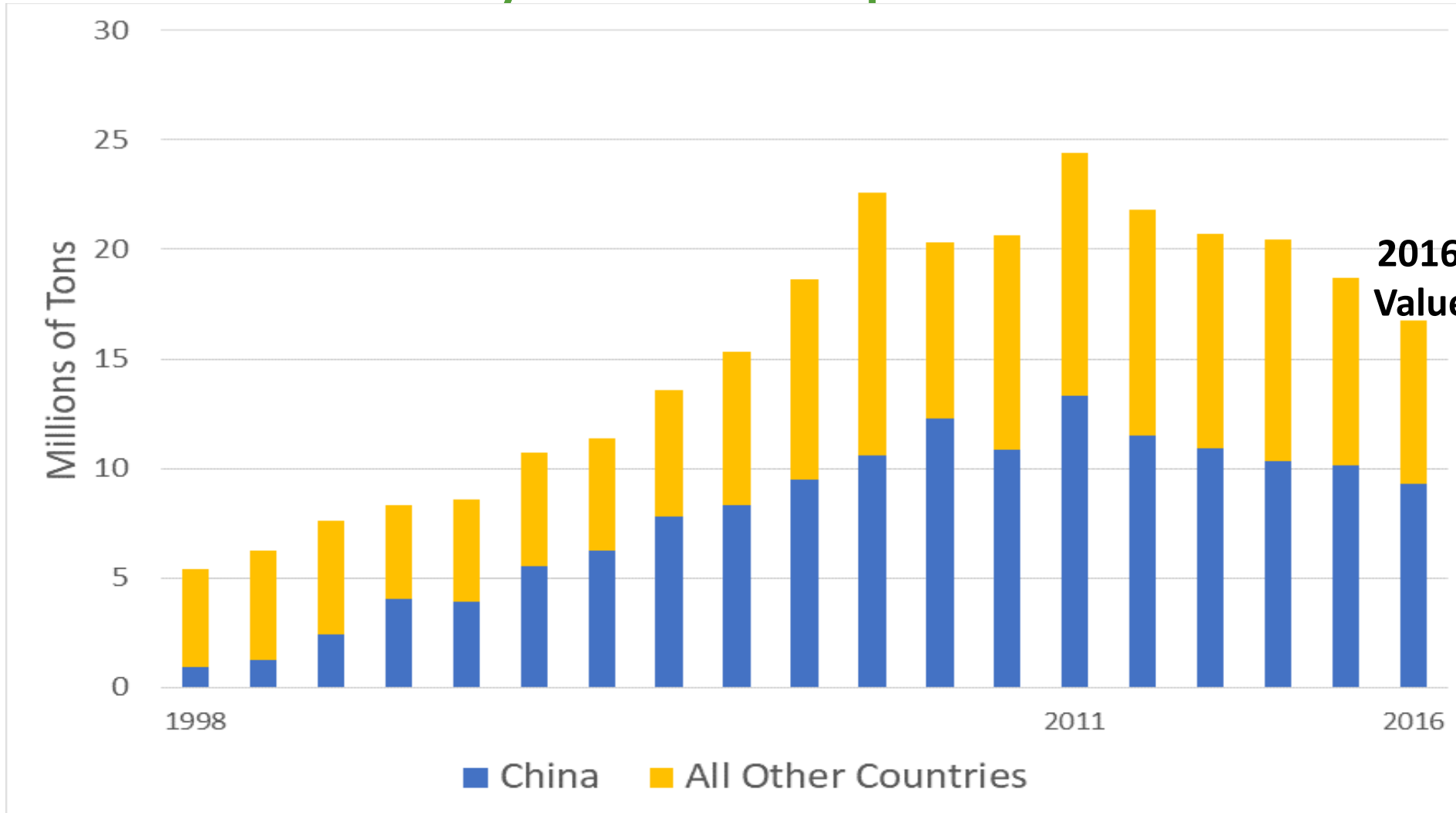
# CA Recyclable Exports by Material ~15.0 Million Tons



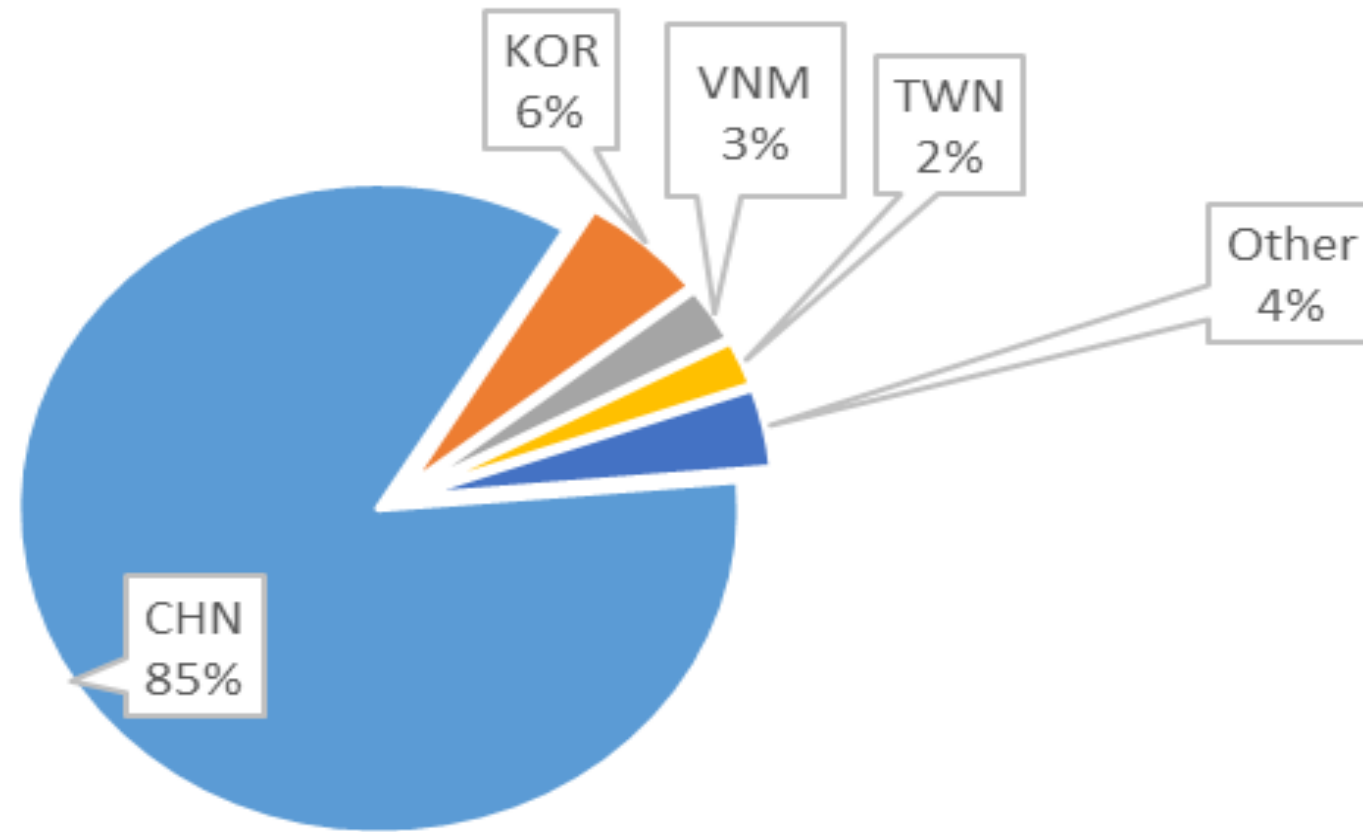
**2016 Export Vessel Value:  
\$4.58 Billion**



# Recyclable Exports Data

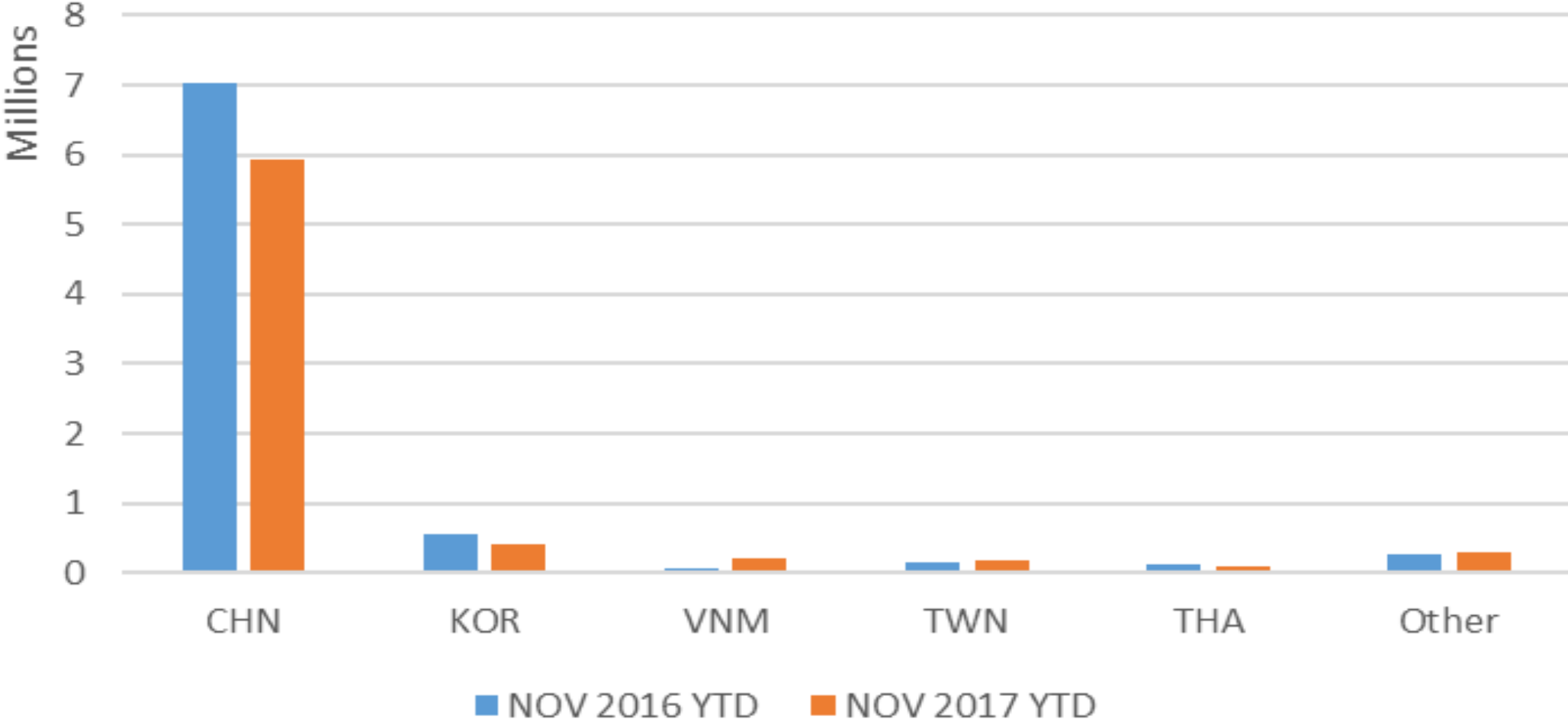


## Mixed Paper 2017 YTD



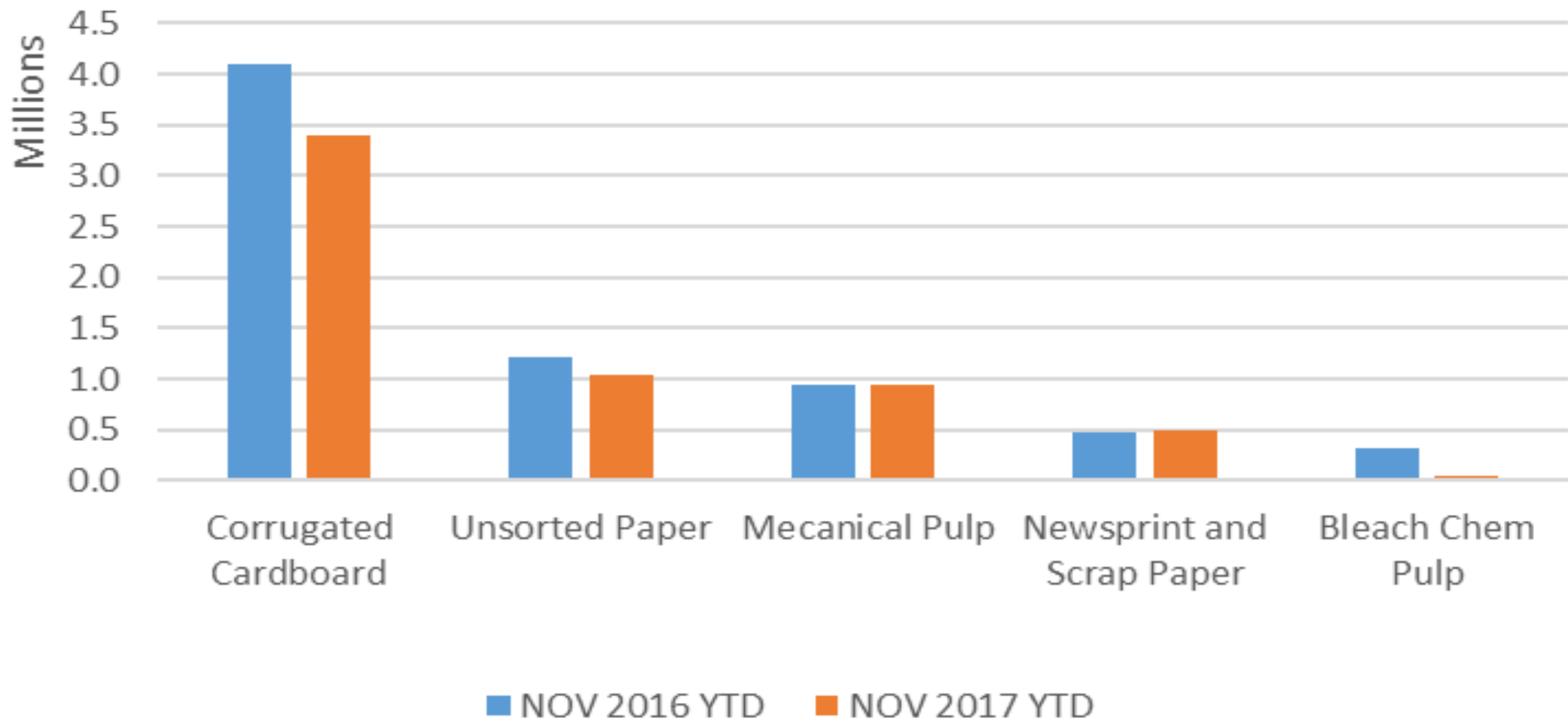
■ CHN ■ KOR ■ VNM ■ TWN ■ Other

# Mixed Paper 2016-2017 Nov YTD Tons

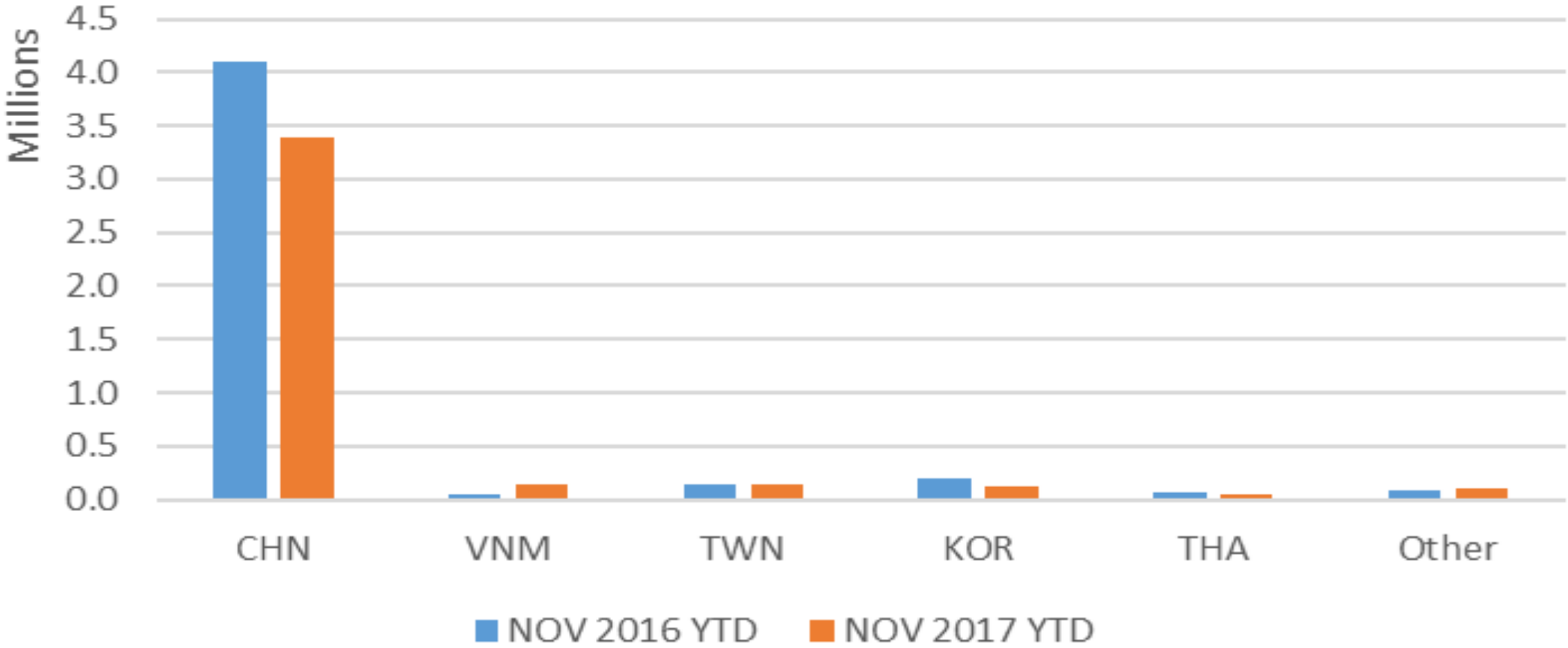




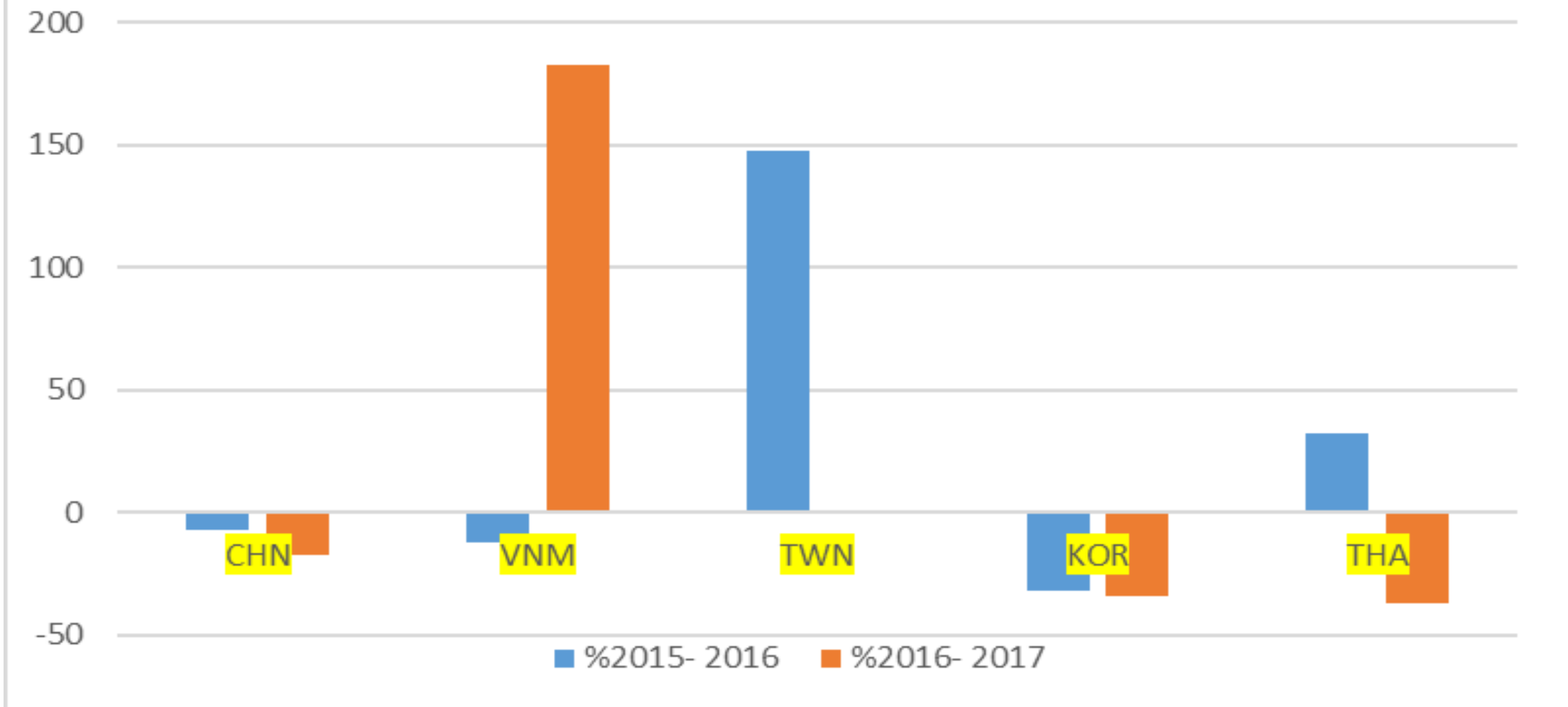
## Mixed Paper China Nov 2017 YTD



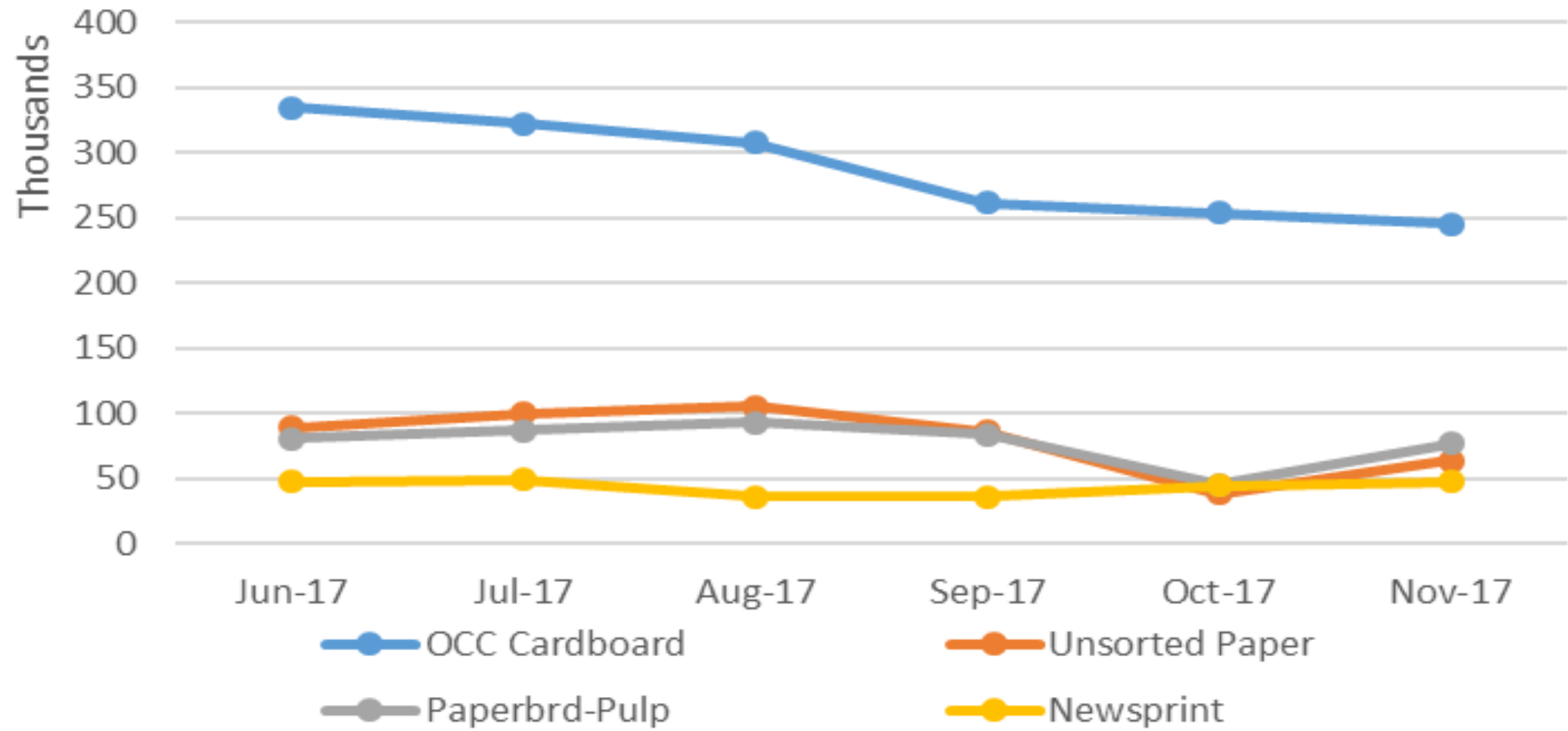
# Corrugated Cardboard and Kraft Paper Tons Nov. 2016-2017 YTD



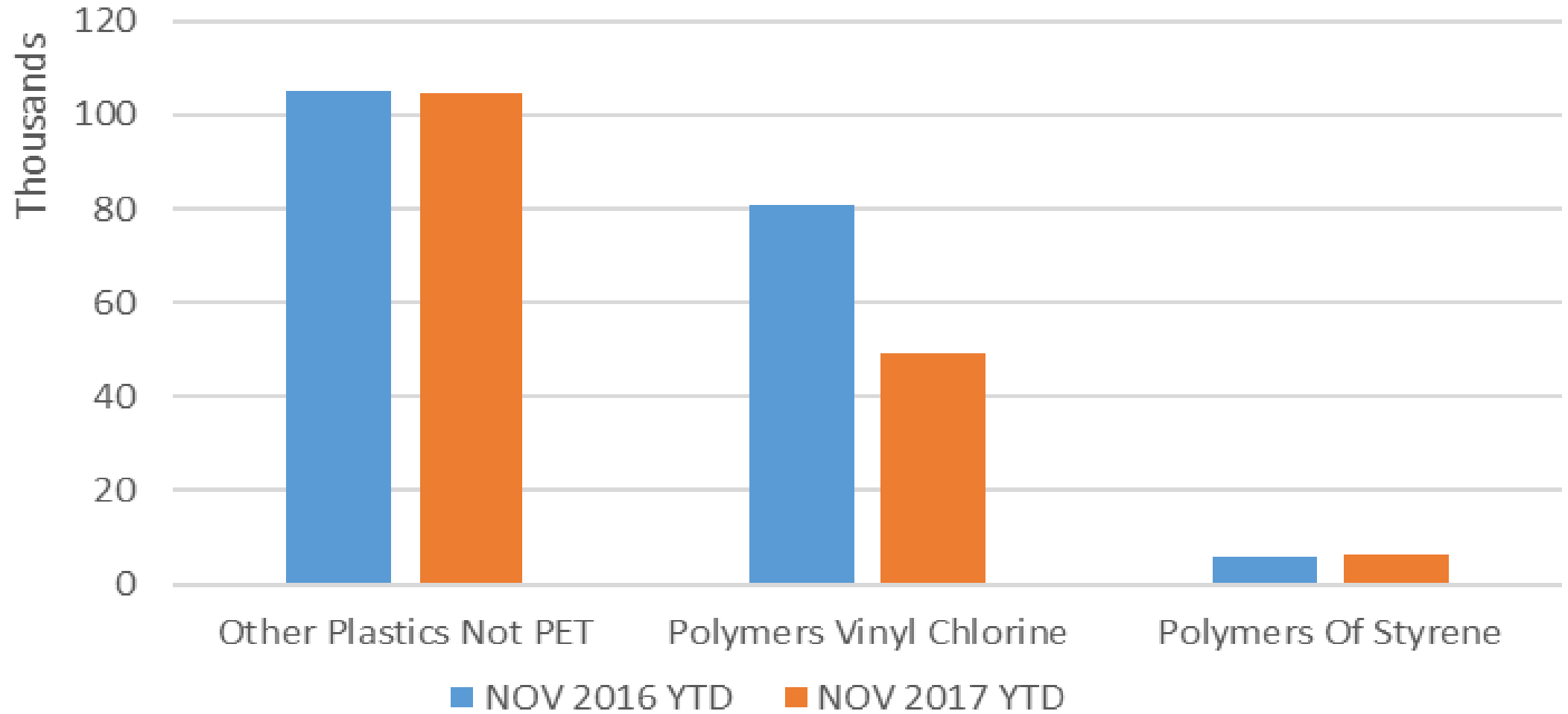
## Corrugated Cardboard and Kraft Paper % Chg. Nov 2016-2017 YTD



## Mixed Paper China June-Nov 2017



## Other Plastics 3-7 Nov 2016-2017 YTD



# Impact on United States and California

- Challenging to move materials to markets
- Processing facilities are storing materials on-site, or landfilling previously recycled items
- Facilities are attempting to reduce contamination during processing

# National Response

- In December, the Institute of Scrap Recycling Industries (ISRI), the National Waste & Recycling Association (NWRA), and the Solid Waste Association of North America (SWANA) submitted comments to the WTO
  - More specificity in the guidelines
  - Impact on global recycling markets
  - Delay in implementation of any import regulations
- In January, China published the final standards unchanged
- US Senators sent a letter to the Chinese ambassador echoing industry comments

# State Response

- Established webpage as clearinghouse for information
- Coordinating with local enforcement agencies on permit conditions for material storage
- Coordinating with jurisdictions to share examples of local actions
- Packaging reform
- SB 1383 regulation development



# Local Response

- Encouraging waste prevention
- Addressing collection and contamination
- Improving processing

# Market Development Opportunities

- Greenhouse Gas grant and loan programs
- Recycling Market Development loan program
- Partnerships with GO-Biz, Treasurer's Office, and tax incentive programs
- Require additional funding

# THANK YOU

---

Website: <http://www.calrecycle.ca.gov/Markets/NationalSword/>

Contact: [exports@calrecycle.ca.gov](mailto:exports@calrecycle.ca.gov)