



2014 California Exports of Recyclable Materials

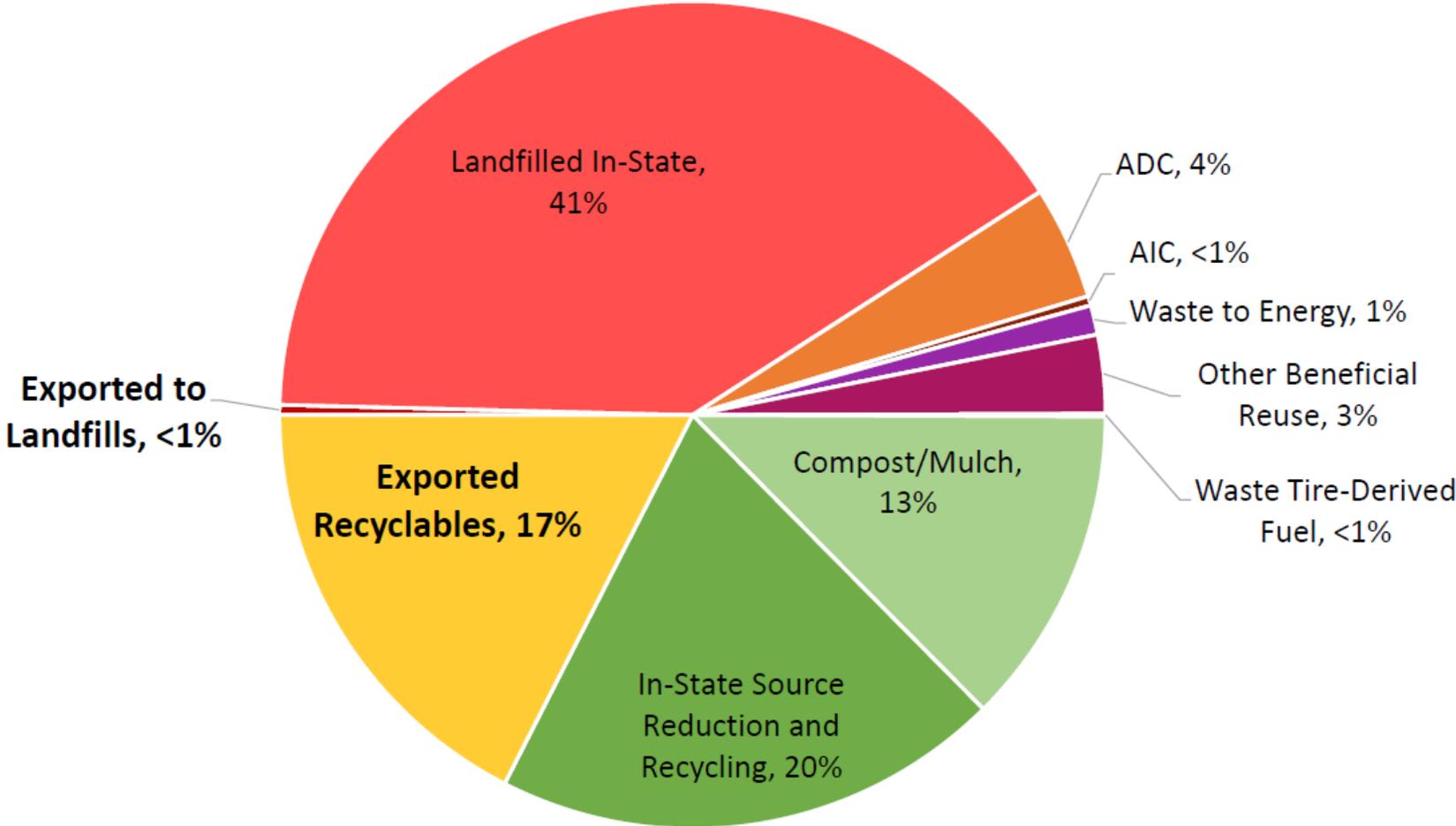
CalRecycle Public Meeting
July 21, 2015
Sher Auditorium
10:00-1:00

California Recyclable Exports

- All Seaborne exports of recyclable materials from California ports
- Amounts, values, destinations, and trends
- Data from Wiser LLC and their WISERTrade database

Exported Waste and Recyclables

2013 State of Recycling and Disposal in California



74 million tons of generated waste – AB 341



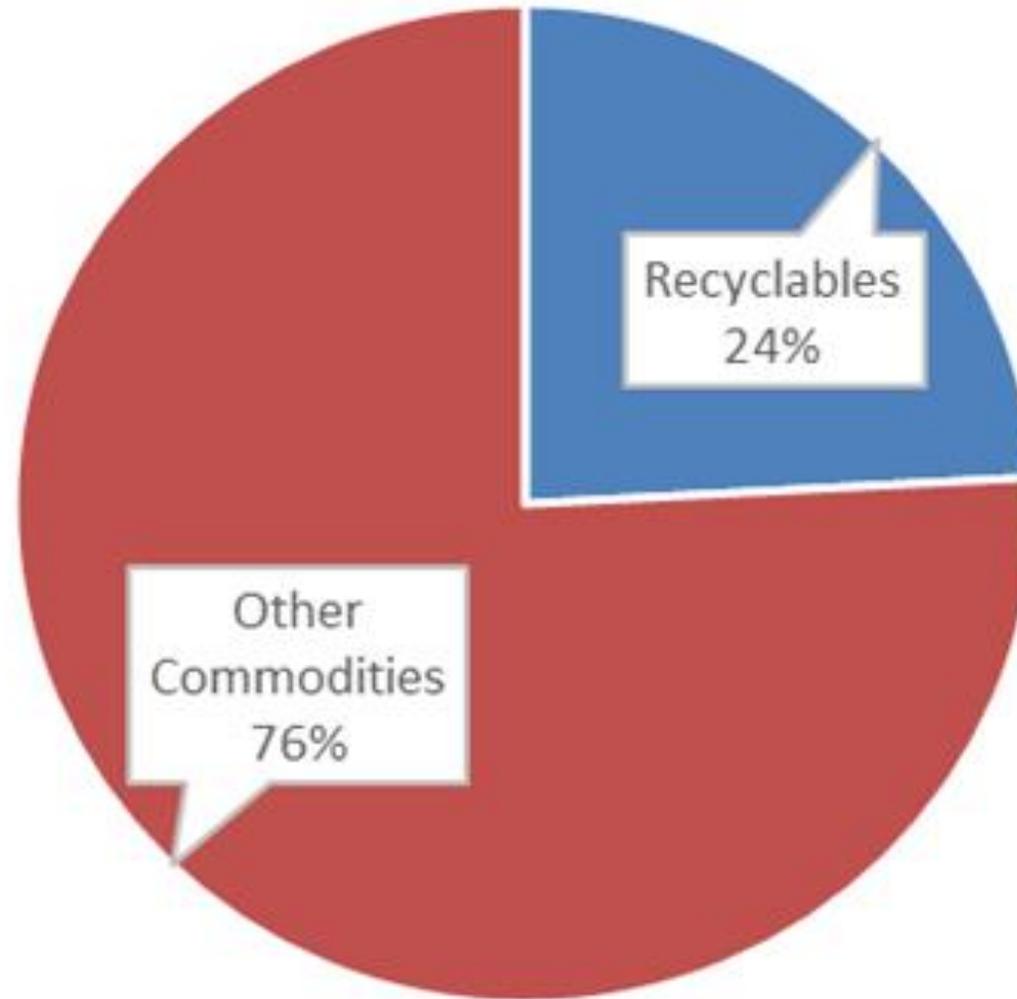
Presentation Summary

- 2014 overview
- National comparison
- Individual materials
- 1st four months of 2015
- Conclusions

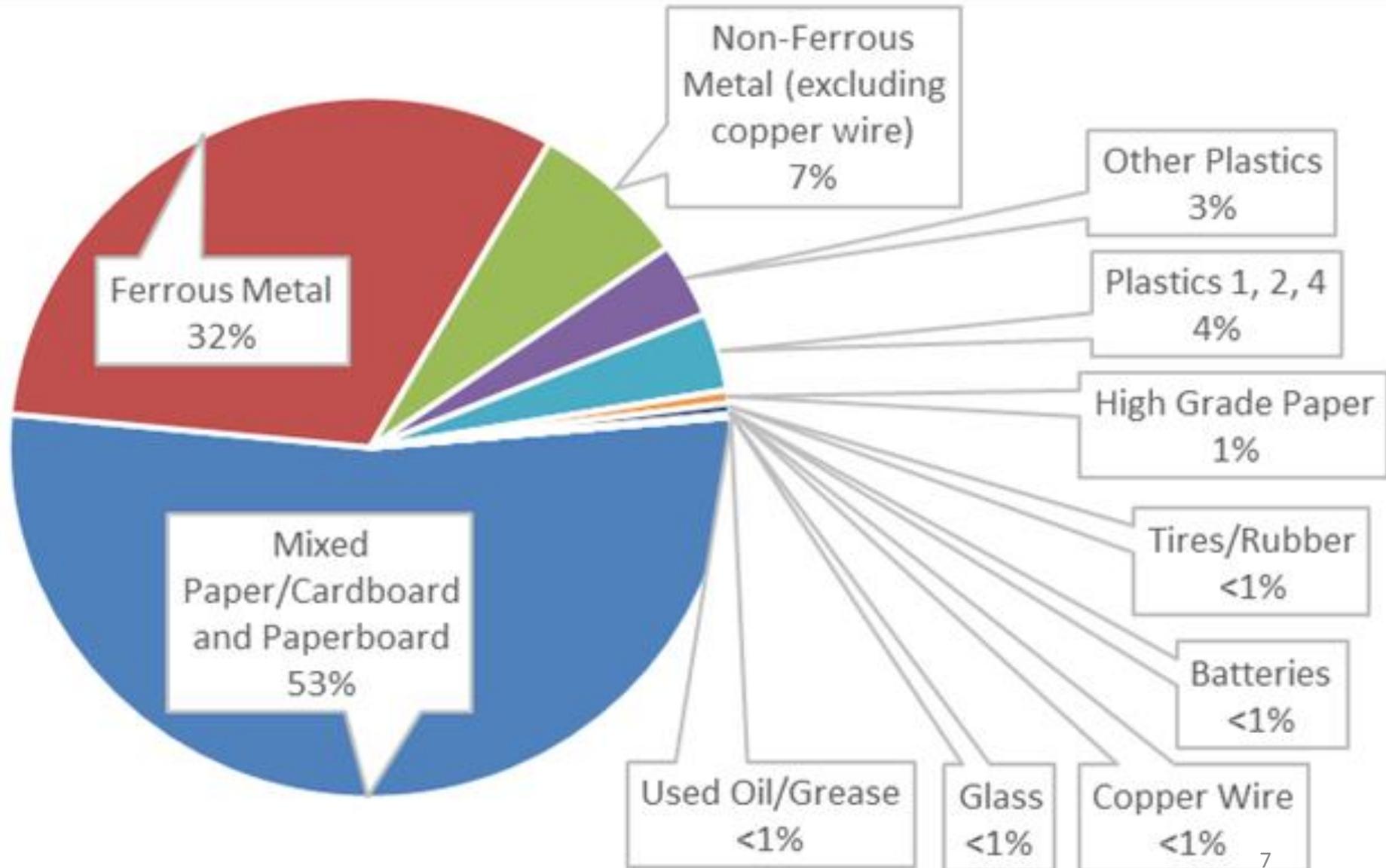
2014 Overview



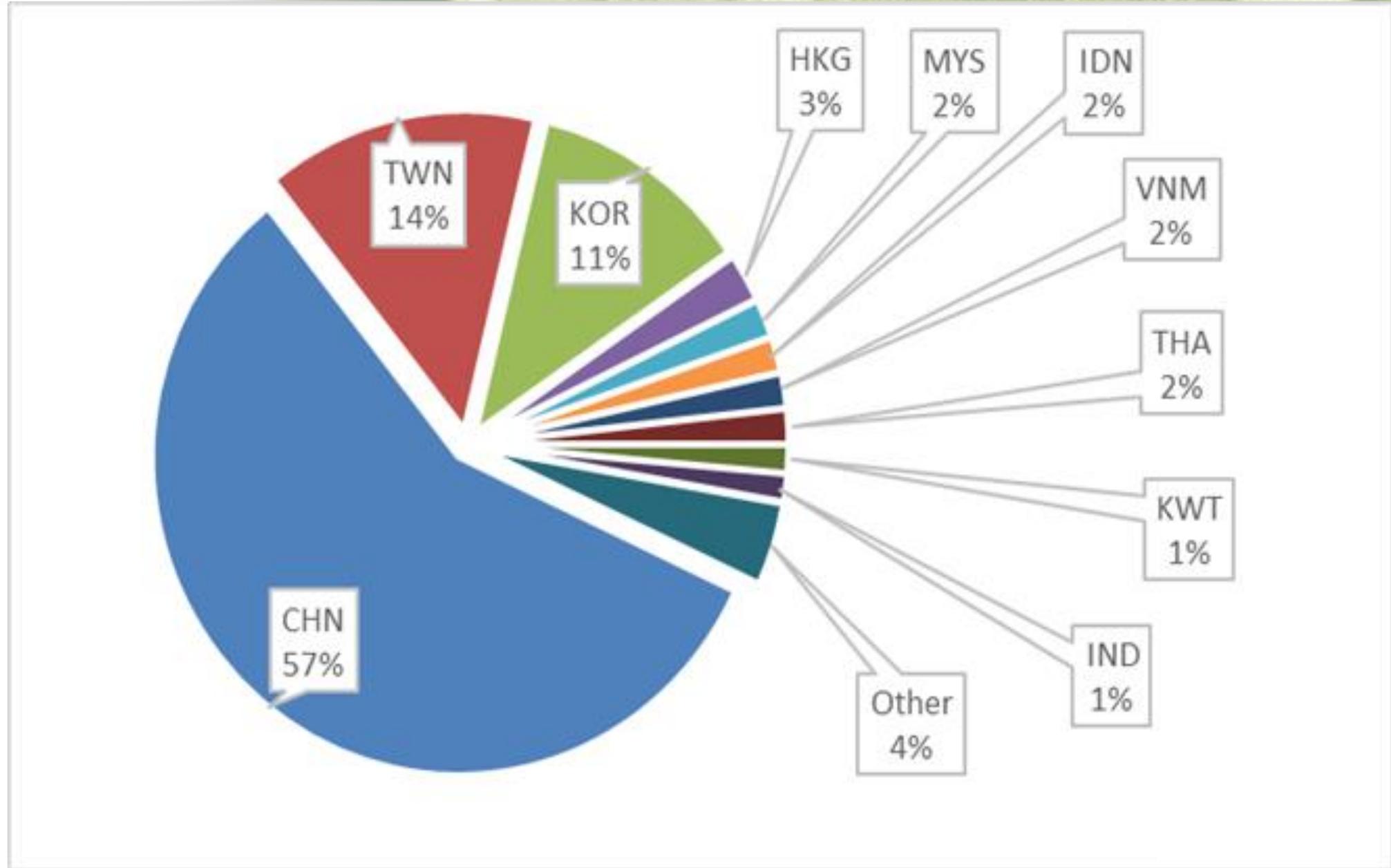
2014 CA Seaborne Exports ~74.6 Million Tons



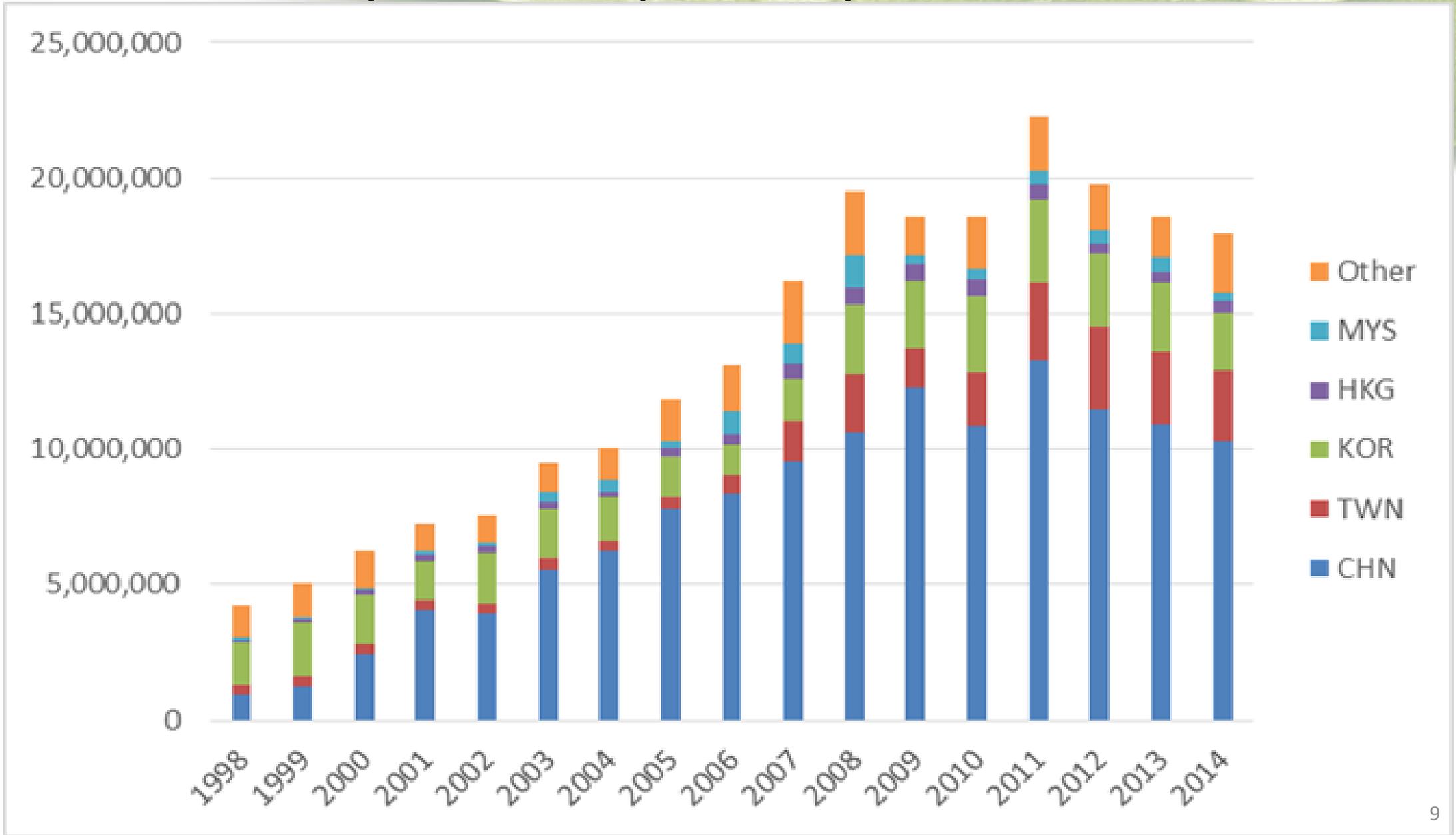
CA Recyclable Exports~18 Million Tons



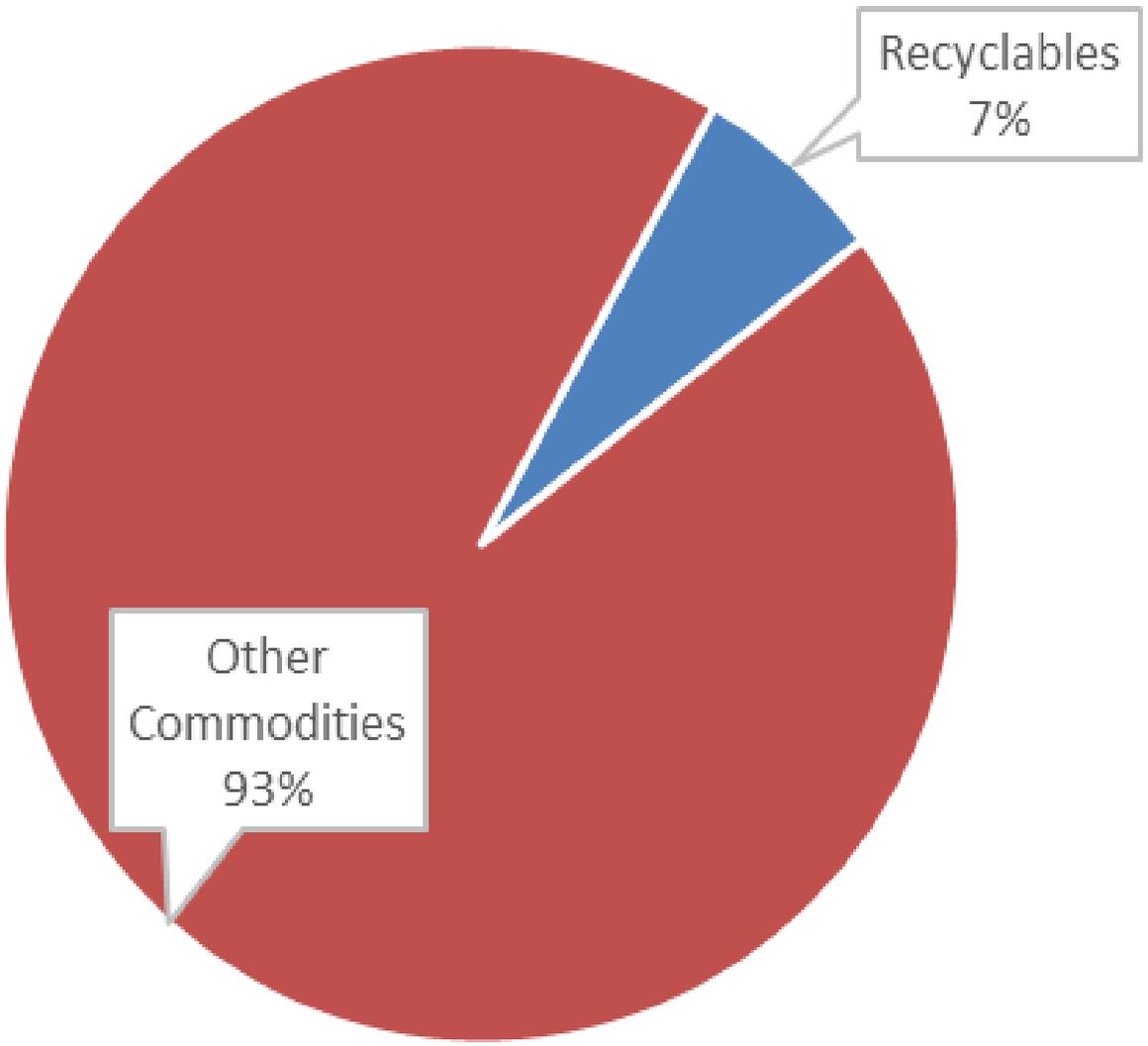
CA Recyclable Exports by Destination ~18 Million Tons



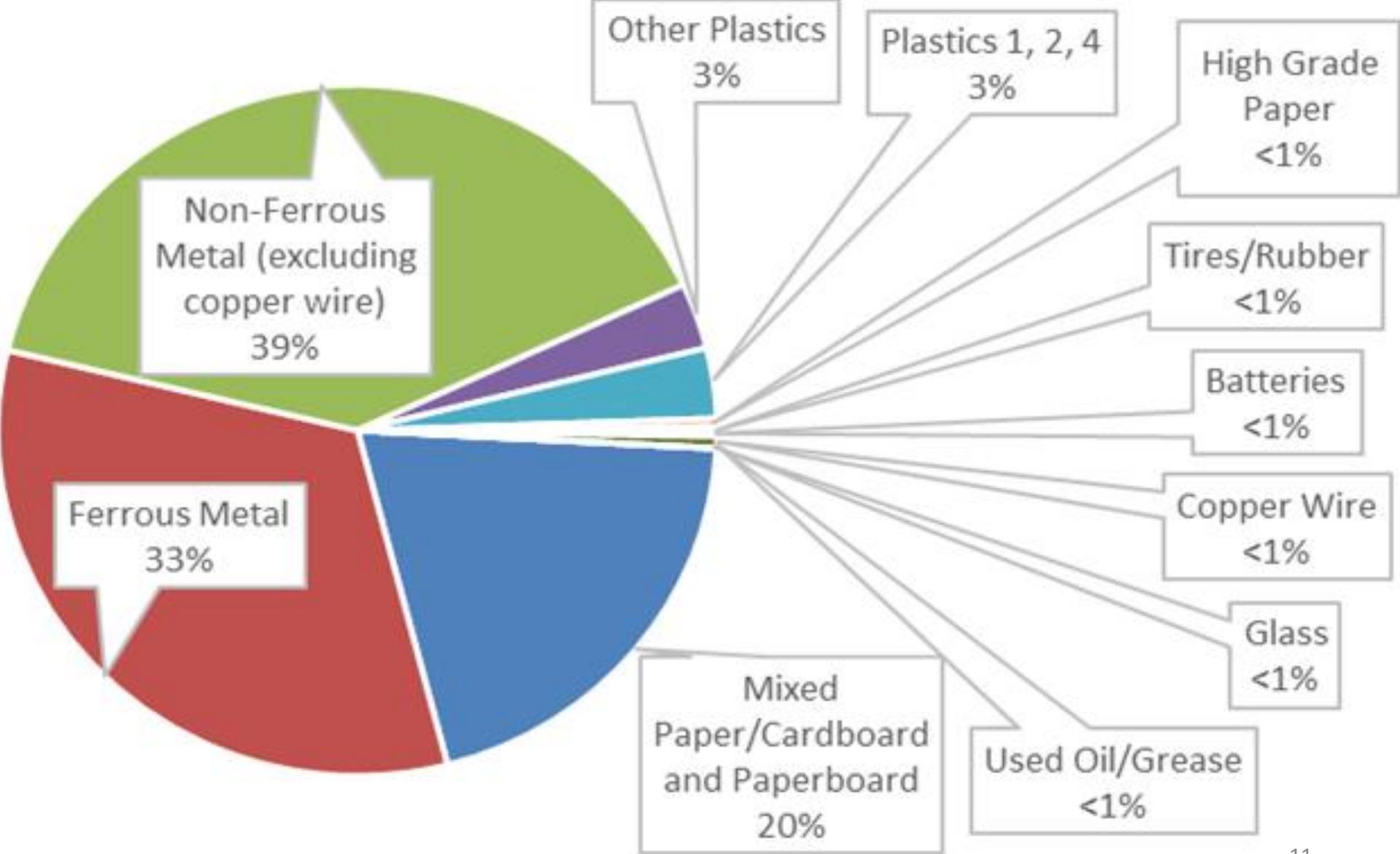
2014 CA Recyclable Exports by Destination in Tons



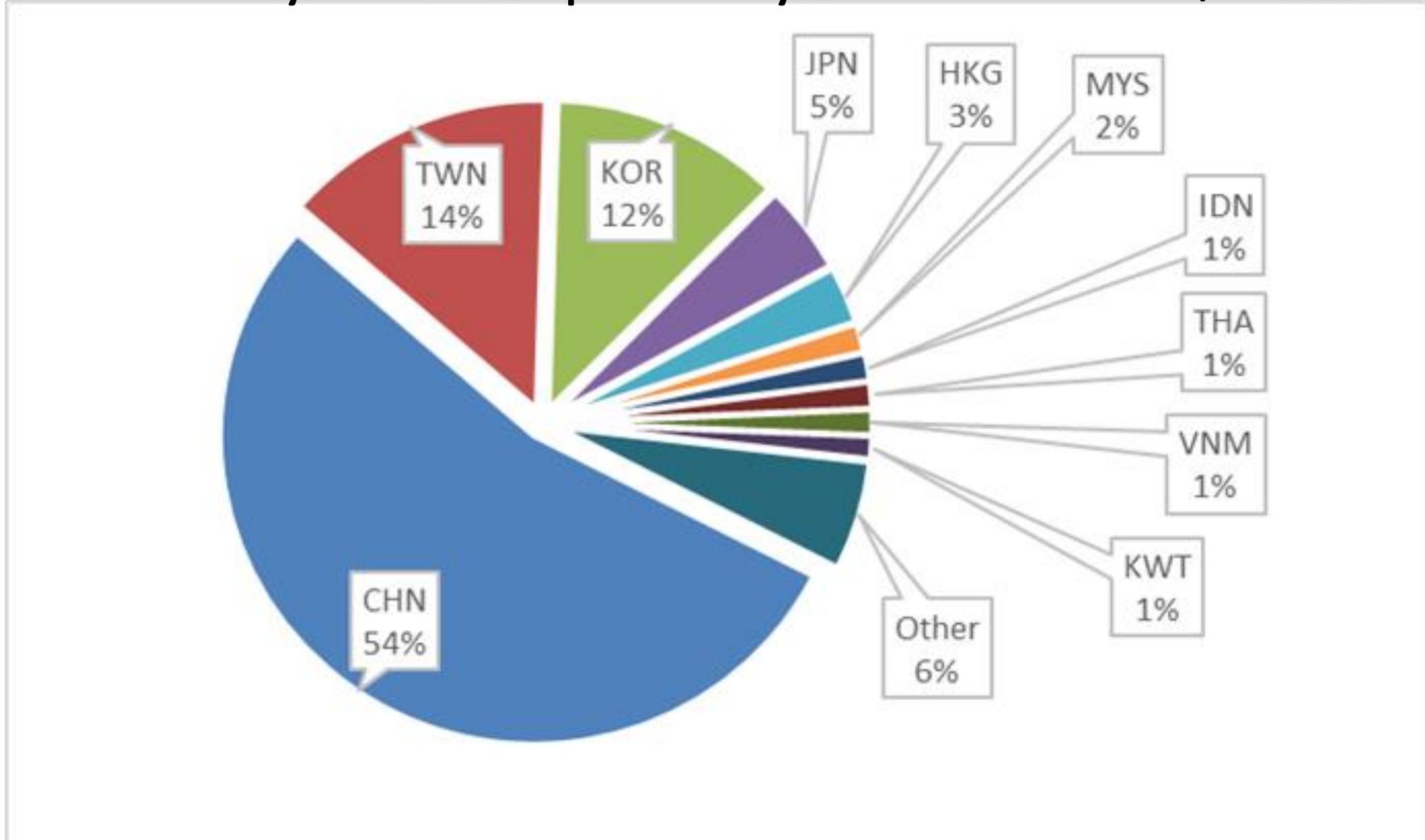
CA Seaborne Exports ~\$105 Billion Vessel Value



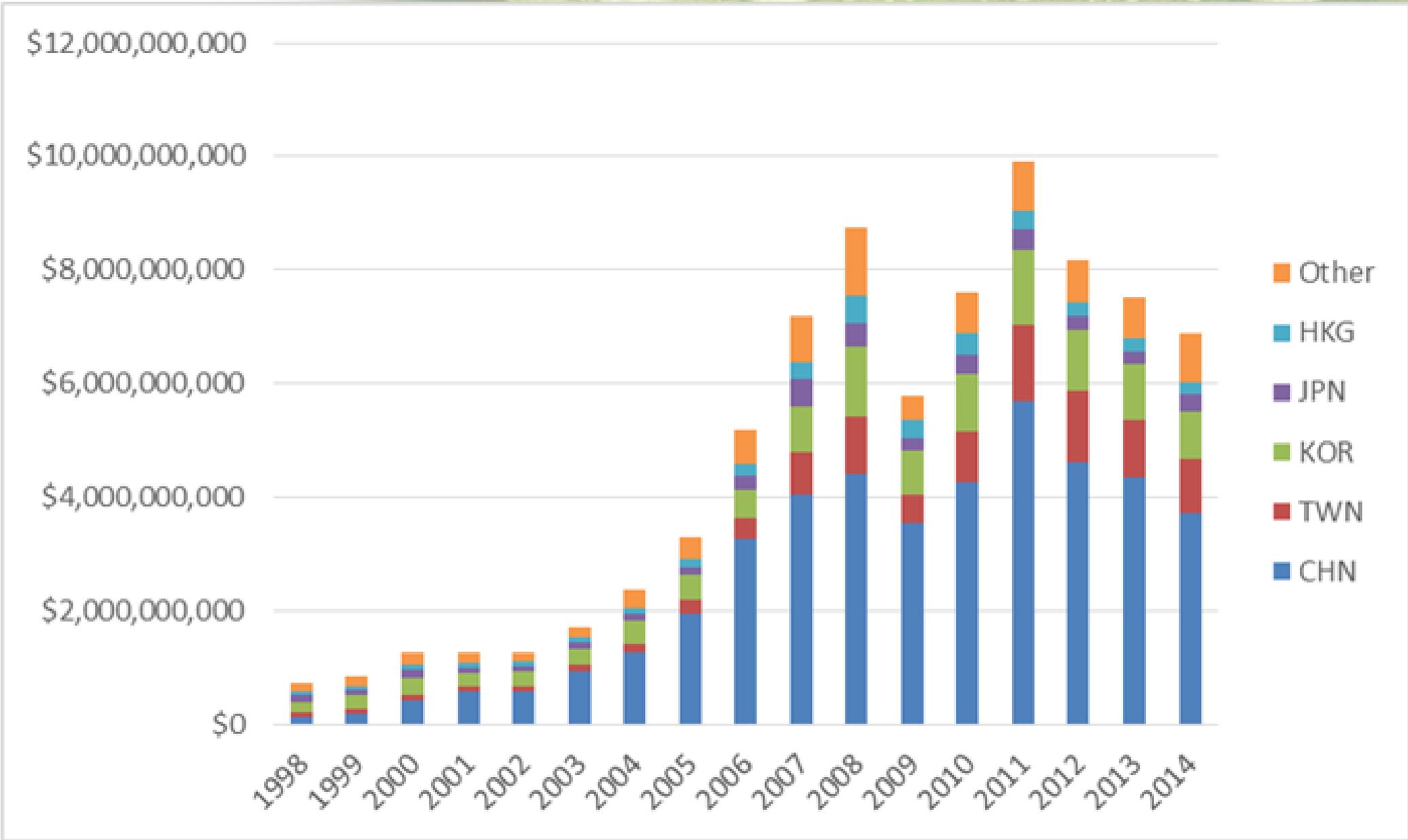
CA Recyclable Exports ~\$6.9 Billion Vessel Value



2014 CA Recyclable Exports by Destination ~\$6.9 Billion



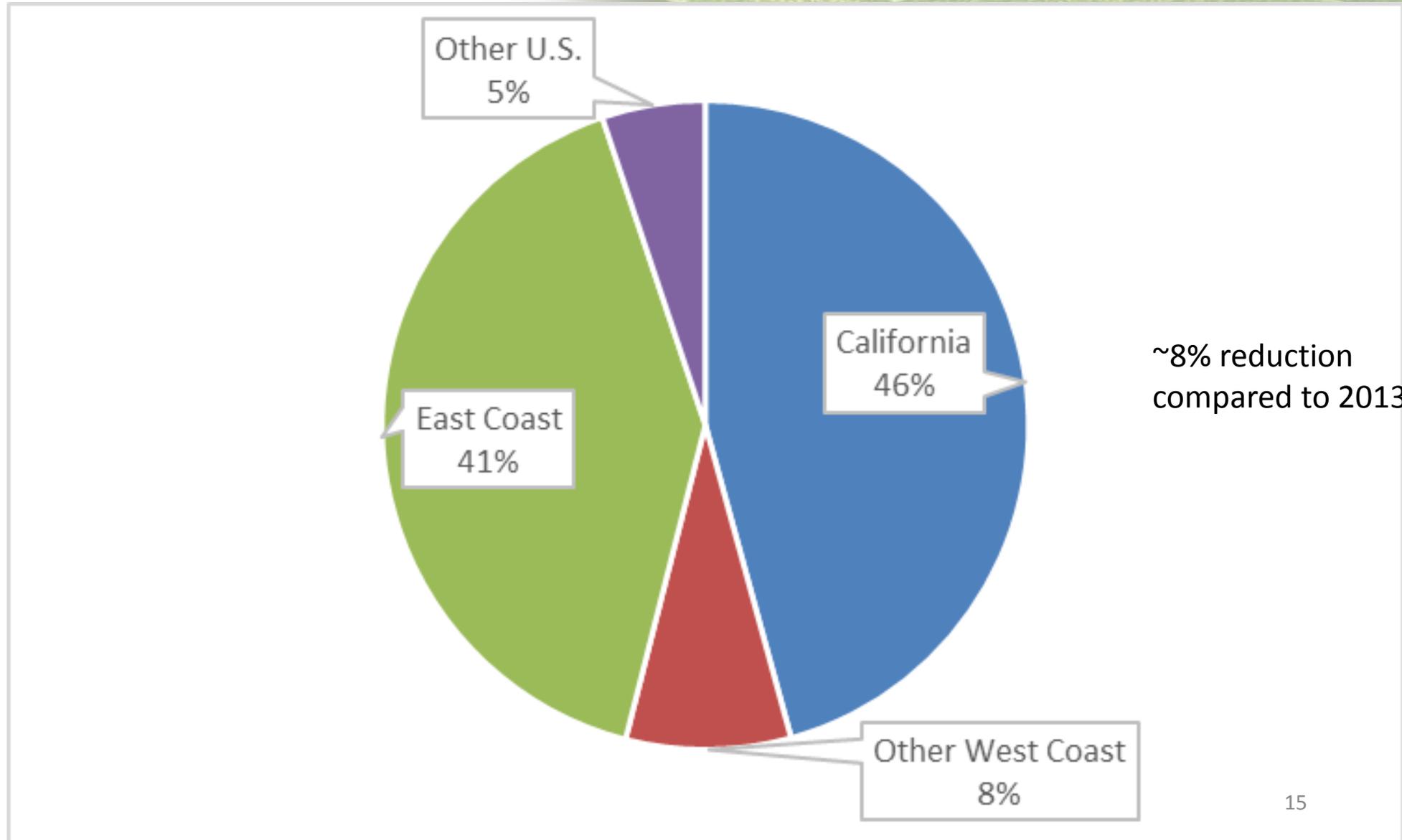
2014 CA Recyclable Exports by Destination in Vessel Value



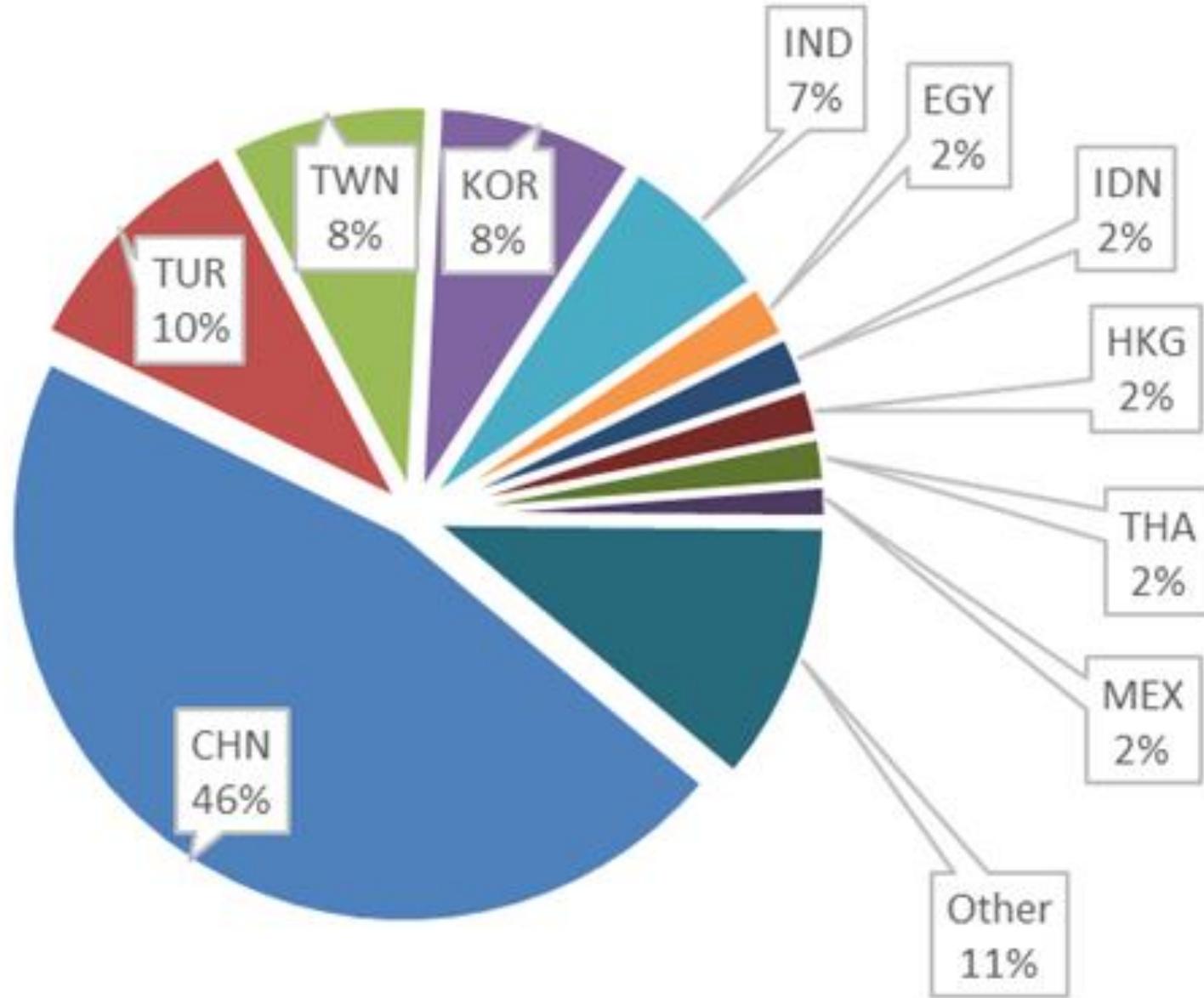
National Comparison



National Comparison U.S. Seaborne Recyclable Exports 39.4 Million Tons

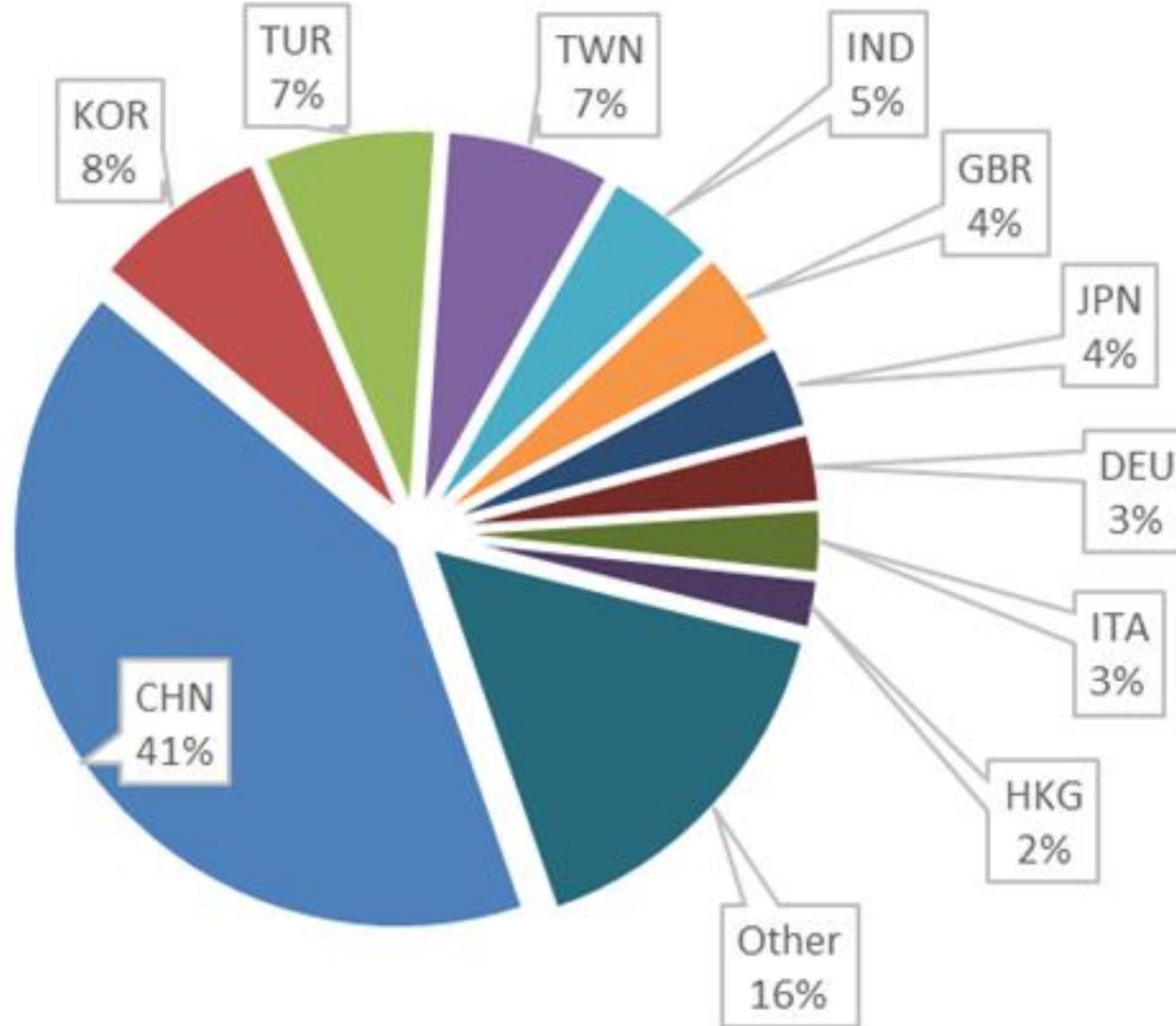


U.S. Seaborne Recyclable Exports 39.4 Million Tons



~8% reduction
compared to 2013

U.S. Seaborne Recyclable Exports \$17.2 Billion

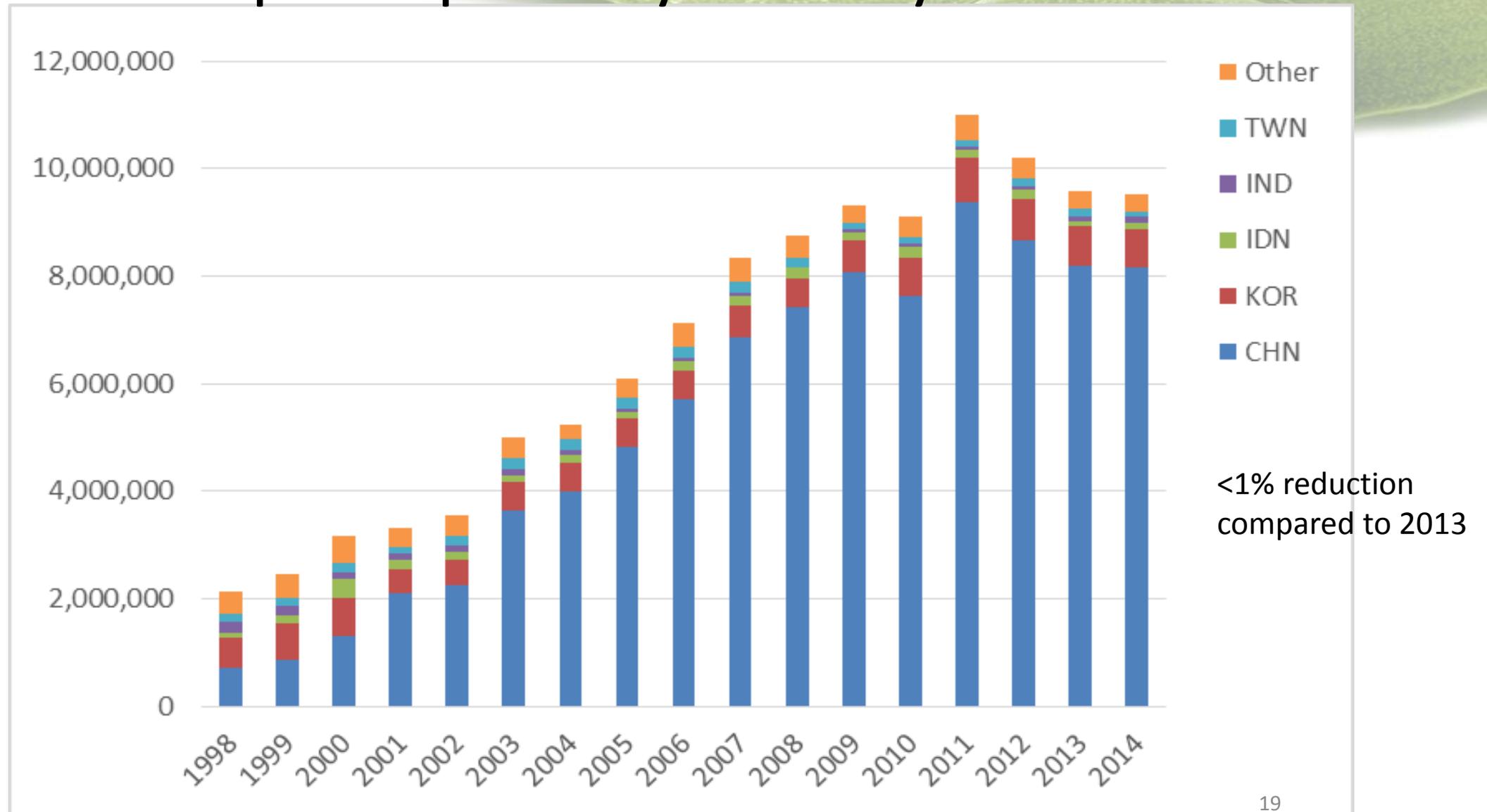


~12% reduction compared to 2013

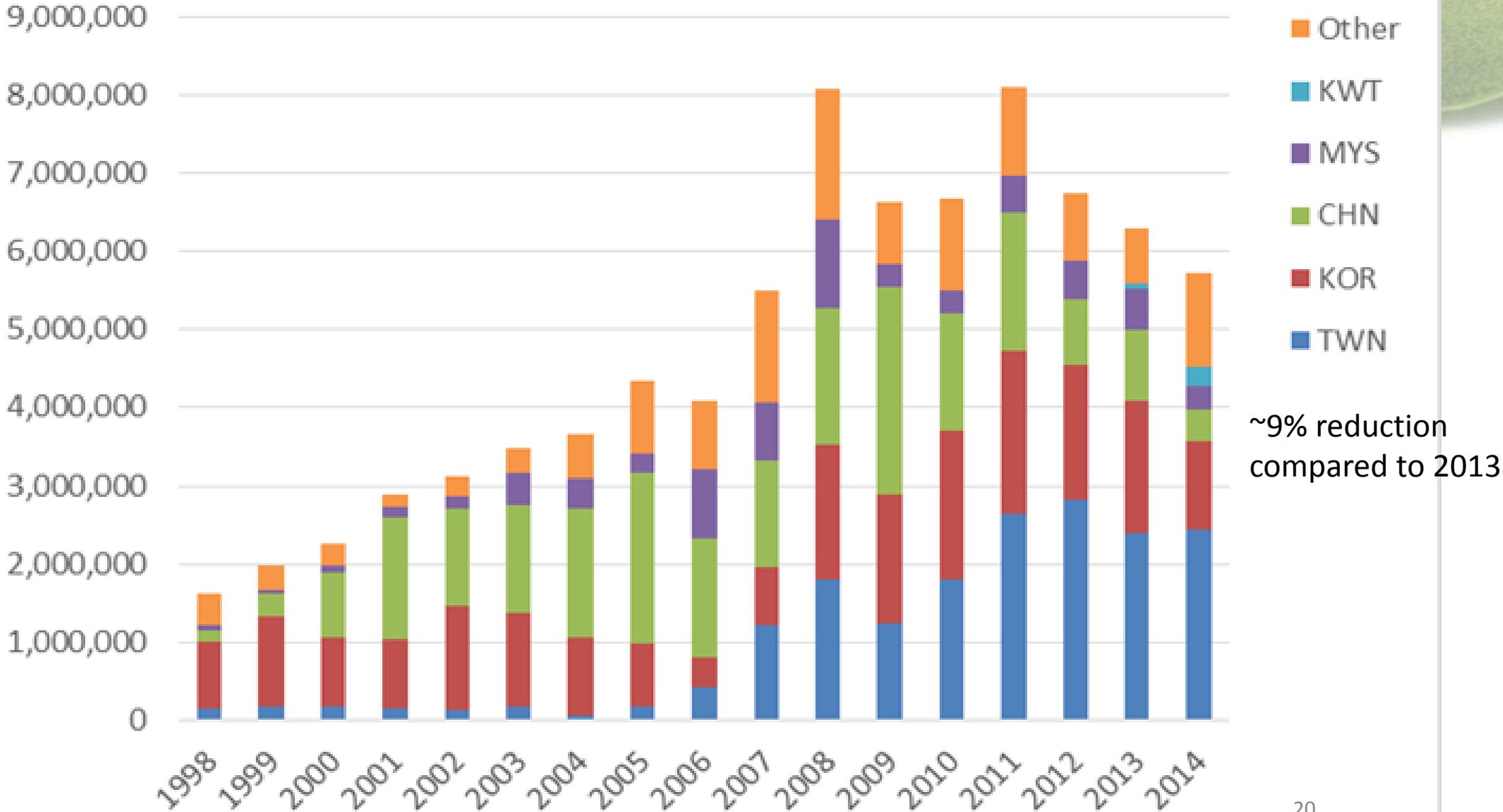
Individual Recyclable Commodities from California Ports



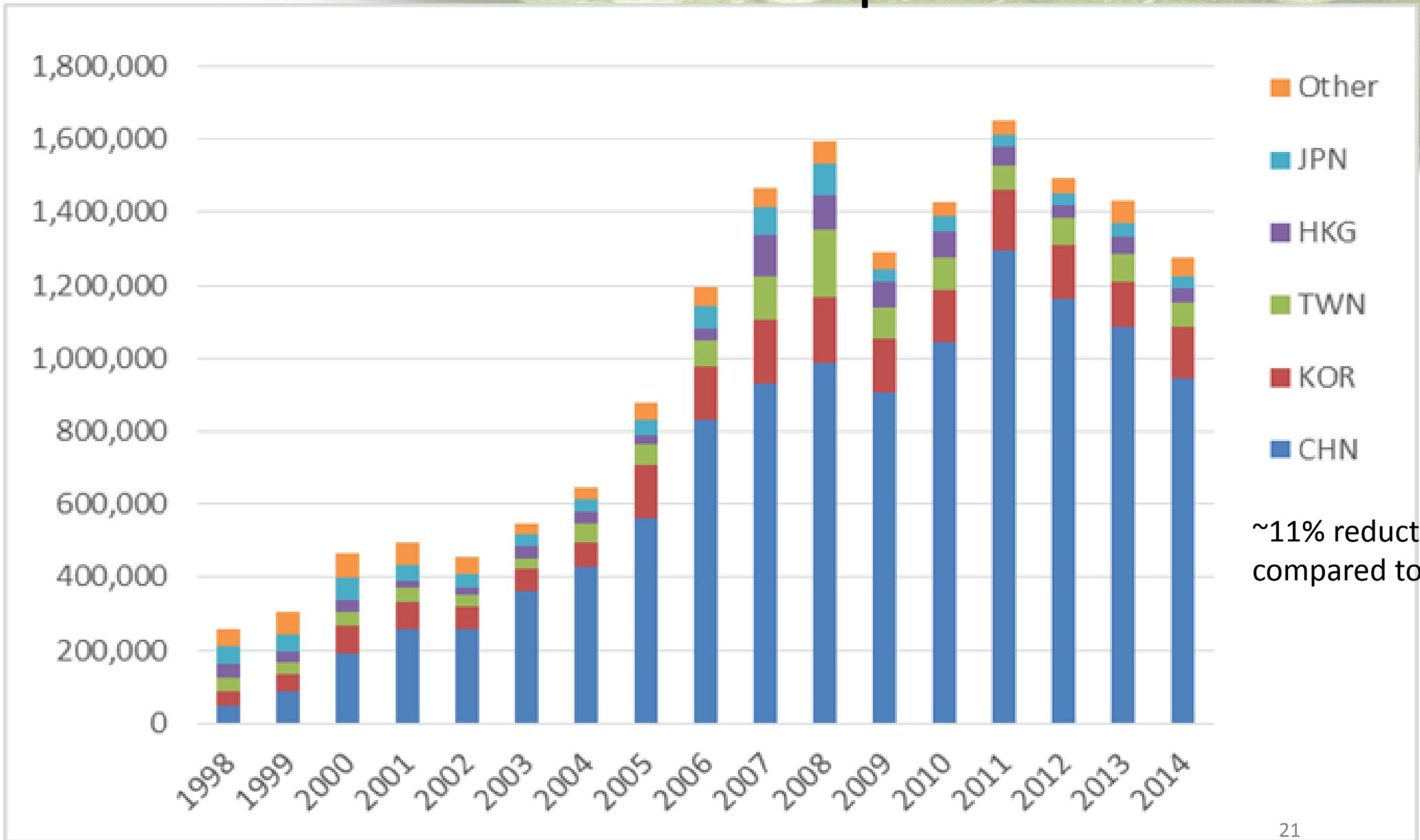
CA Mixed Paper Exports by Country ~ 9.5 Million Tons



California Ferrous Metal Exports ~5.7 Million Tons

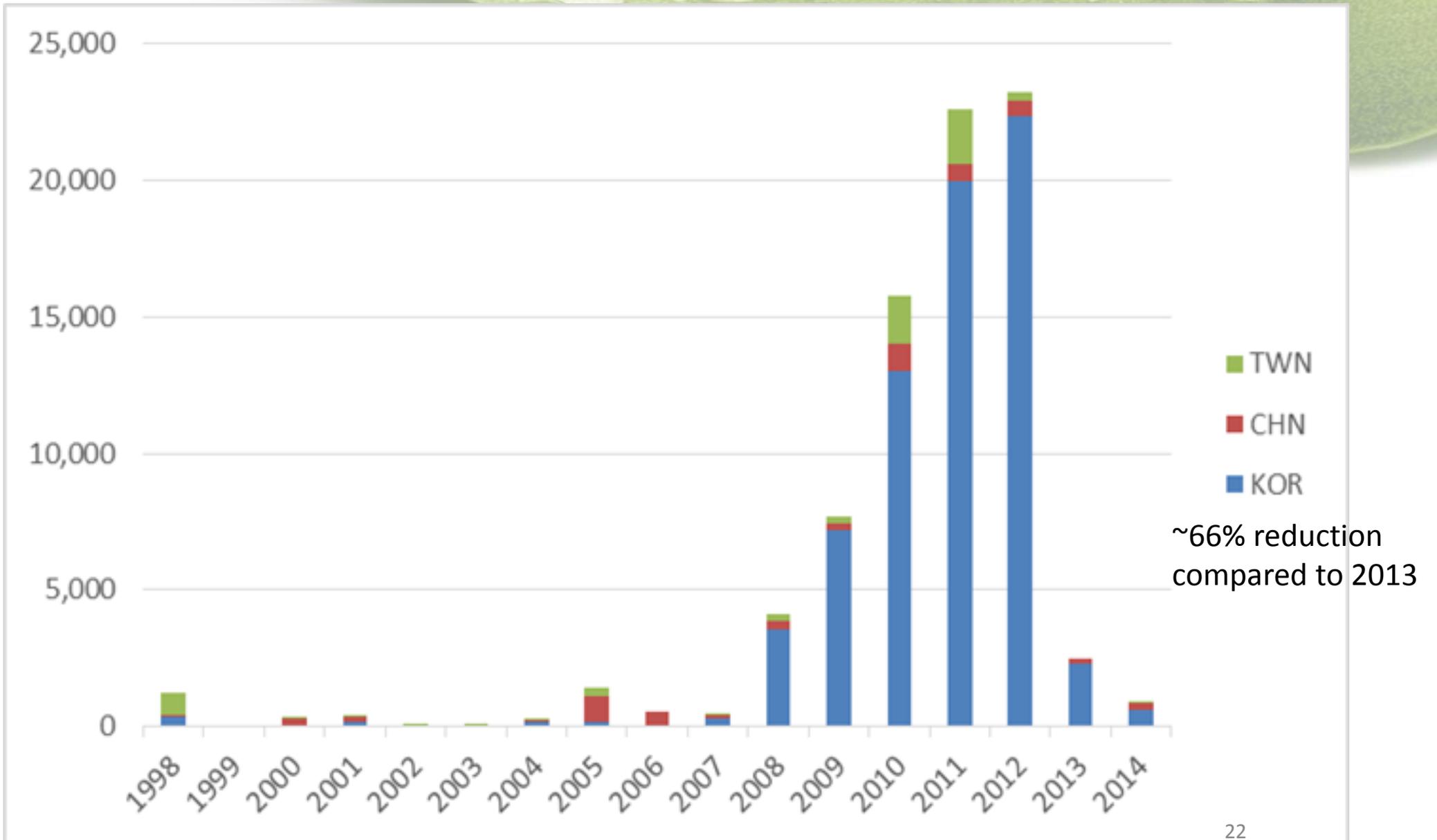


California Non-Ferrous Metal Exports ~1.3 Million Tons

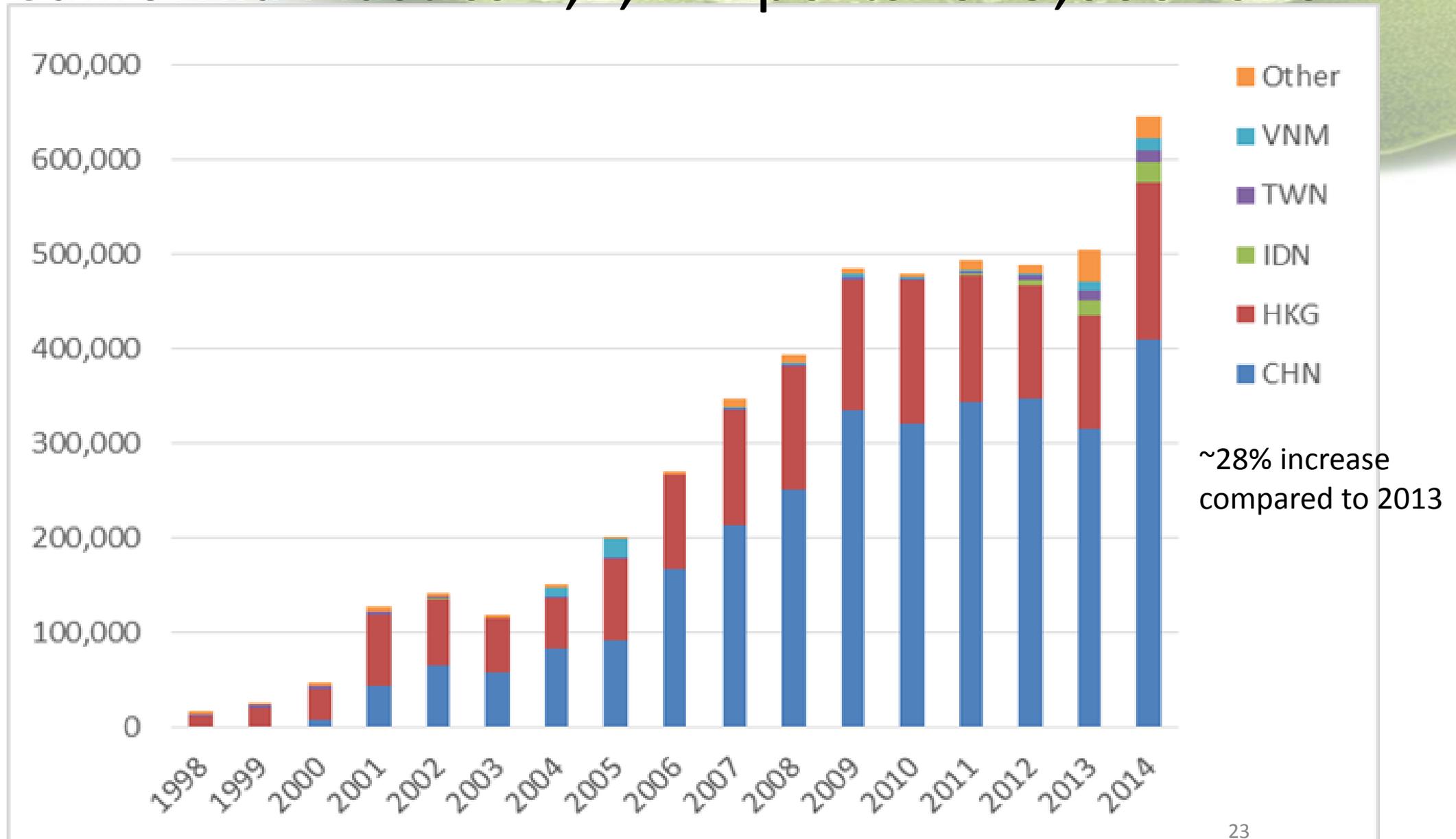


~11% reduction compared to 2013

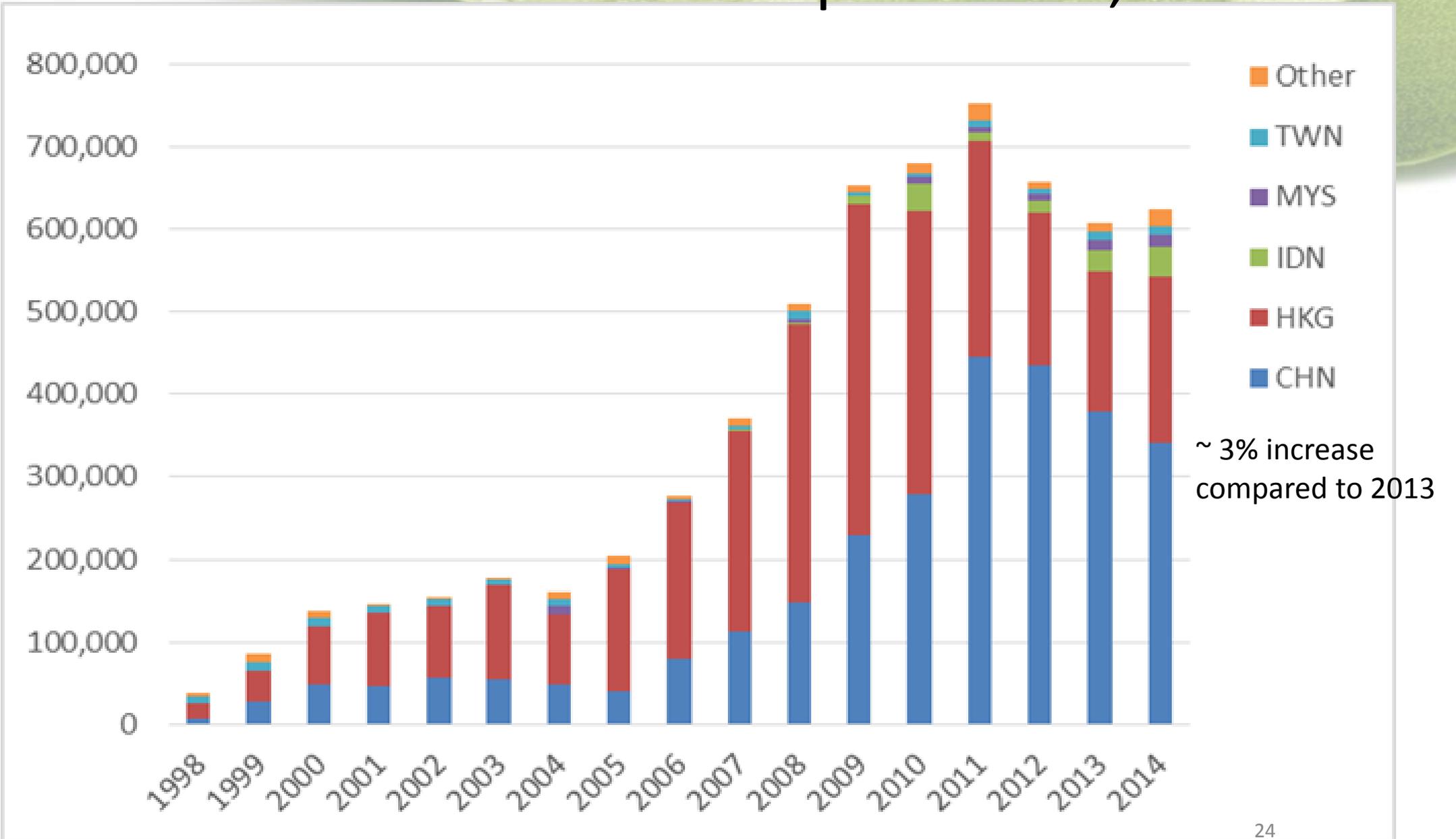
California Aluminum Can Exports~850 Tons



California Plastics 1,2,4 Exports ~645,000 Tons



California Other Plastics Exports ~624,000 Tons



Truck, Rail, and Air Shipments

- Limited information on recyclables shipped by truck and rail are available. We have access only to \$ values .
- Truck, Rail, and Air recyclable exports from California was at least \$72 million.
- Mexico, Japan, and Germany were largest partner countries.
- \$70 million were export to these three countries.
- \$2 million was shipped to other countries around world.

First four months of 2015 California Recyclable Exports (compared to the first four months of 2014)

- Exports down over 6%
- Plastics exports down about 5 %
- Metal exports down approximately 16%

Summary

- Recyclables made up 24% of all seaborne exports from CA ports
- 18 million tons of recyclables exported
- Vessel value of recyclable materials nearly \$7 billion
- CA recyclable exports by weight down over 3% in 2014
- China is still the largest recipient of recyclables from CA ports.
- Truck, Rail, and Air recyclable exports from California was at least \$72 million. This amount is not included in the \$7 billion vessel value.

Conclusions

- Since the peak of 2011, California exports by sea saw a decrease of 4 million tons and a decrease of \$3 billion
- Decline of exports may cause more material to stockpile improperly or be disposed in our landfills.
- How will we reach the 75 percent recycling goal if markets continue to decline for recyclables?

Conclusions

➤ Infrastructure

- If export markets crash, would the amount of in-state processing be adequate.

➤ Data quality

- We have good vessel weight and value information, but we don't have as good a handle on truck and rail information.
- We don't know how much is transshipped from other states.
- Overall, exports are down, and need to monitor to see impact on markets.



Future Reports

- California's contribution
- Rail and truck exports
- End uses of exported materials



Questions?

Larry Stephens

Policy Office-Knowledge Integration section

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Country Codes

Acronym	Country
CHN	China
TWN	Taiwan
KOR	Korea, Republic of
MYS	Malaysia
VNM	Vietnam
HKG	Hong Kong
IDN	Indonesia
THA	Thailand
JPN	Japan
IND	India
PAK	Pakistan

Acronym	Country
PER	Peru
SLV	El Salvador
MEX	Mexico
SGP	Singapore
PHL	Philippines
GBR	United Kingdom
TUR	Turkey
EGY	Egypt
ITA	Italy
DEU	Germany