State of Recycling and Disposal in California 2016 Update

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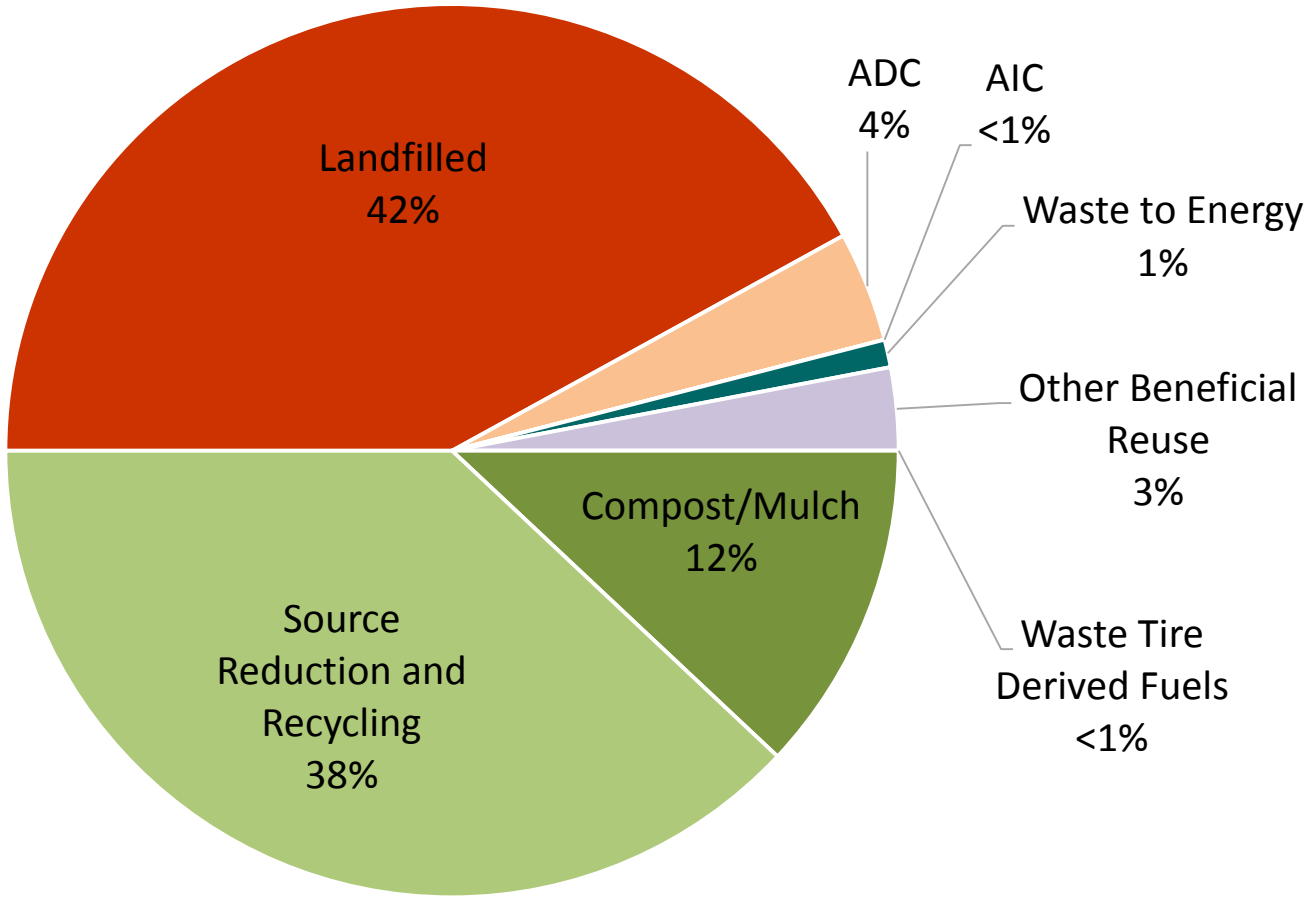
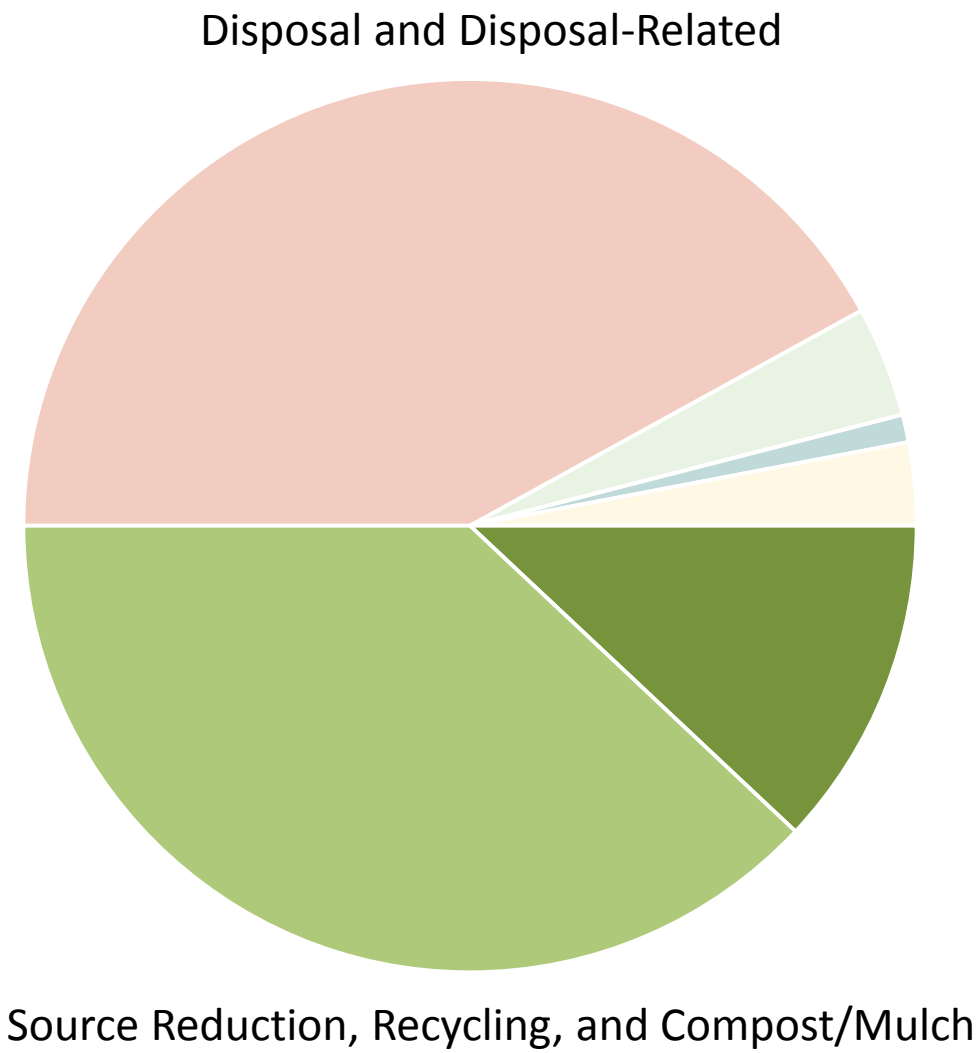
2014 Statewide Generation



Estimated 75 million tons – AB 341

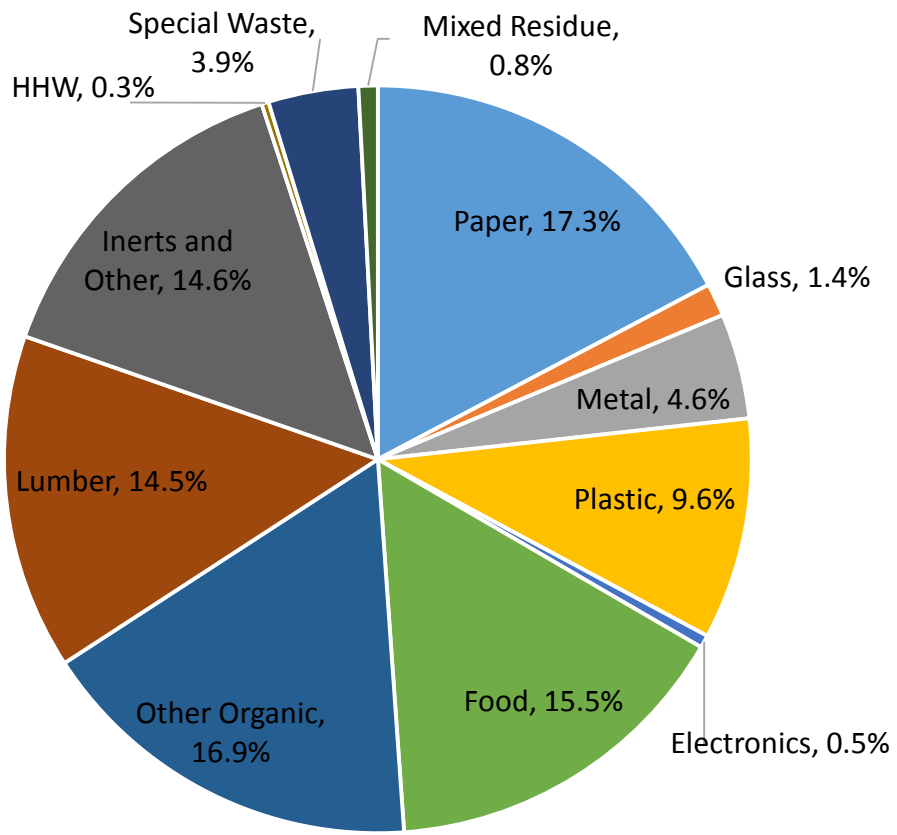
Highlights from State of Recycling Report



How much recyclable material is discarded?

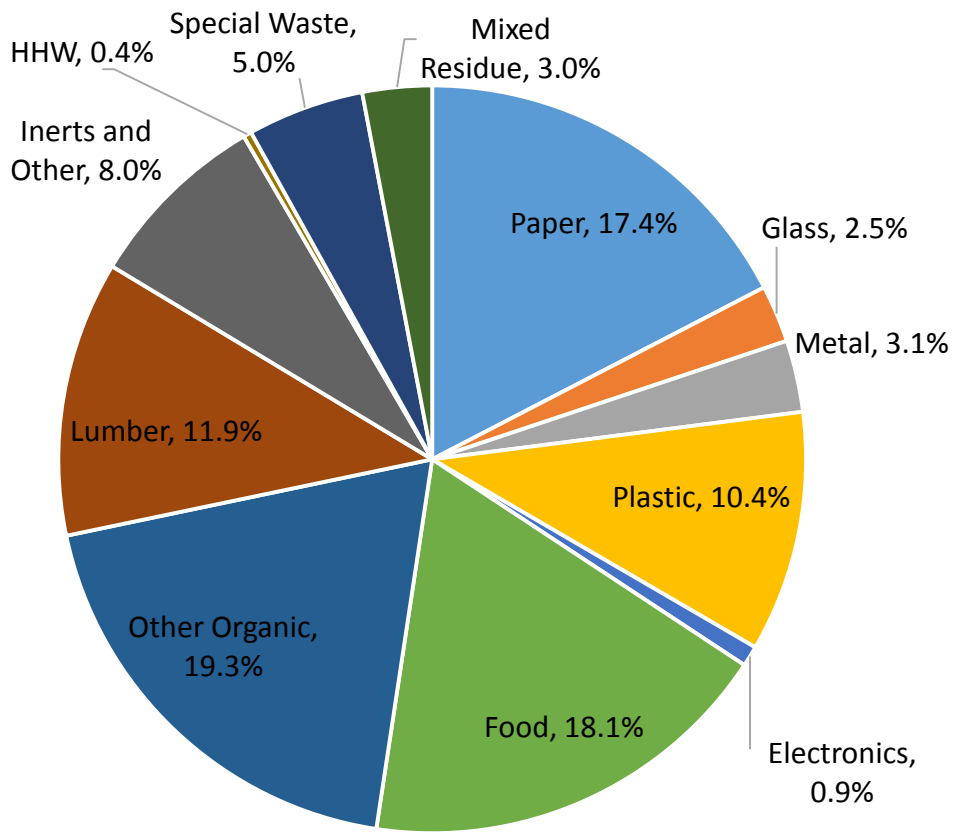
What is the composition of the disposal stream?

2008 Waste Characterization Study



40 million tons

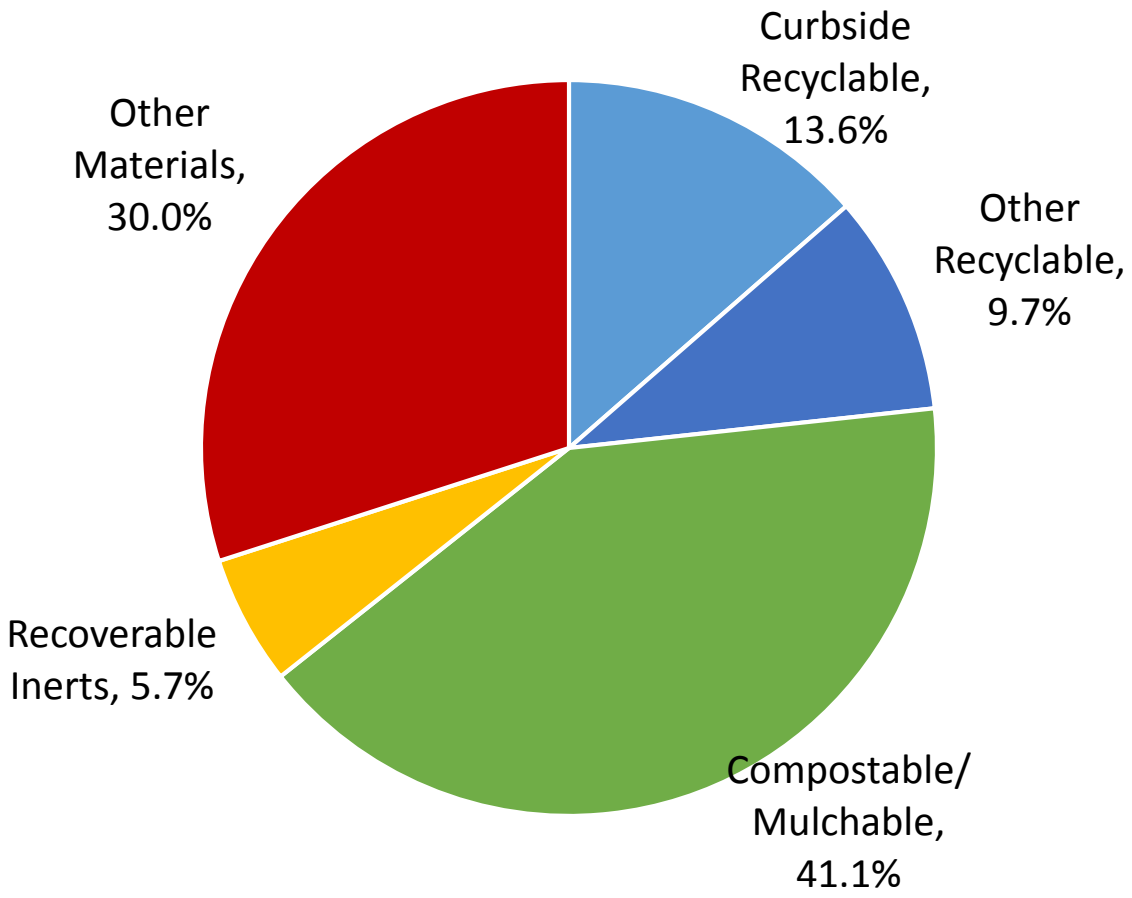
2014 Waste Characterization Study



31 million tons

How much of the disposal stream is recyclable?

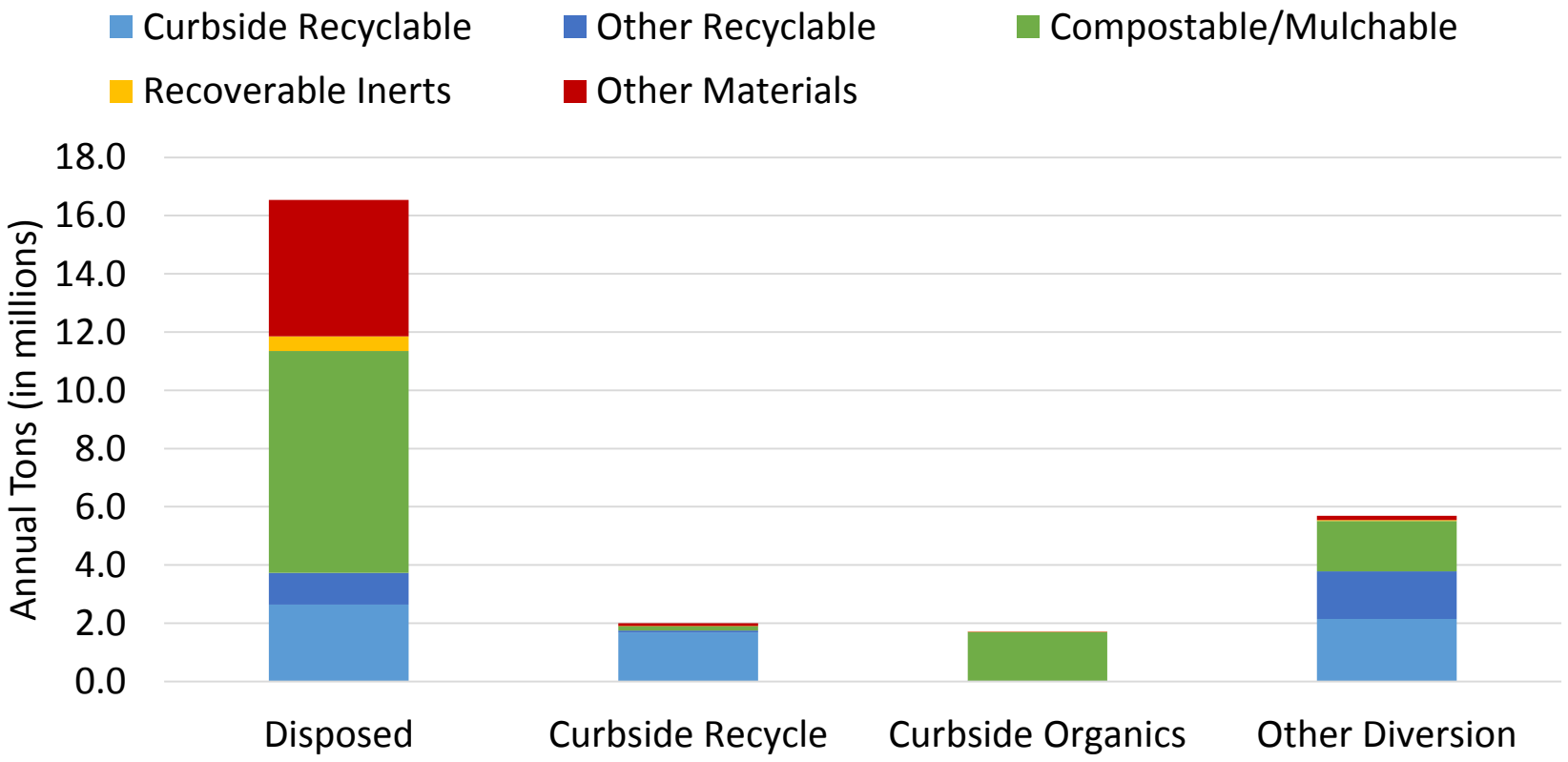
2014 Waste Characterization Study



What is the status of mandatory commercial recycling?

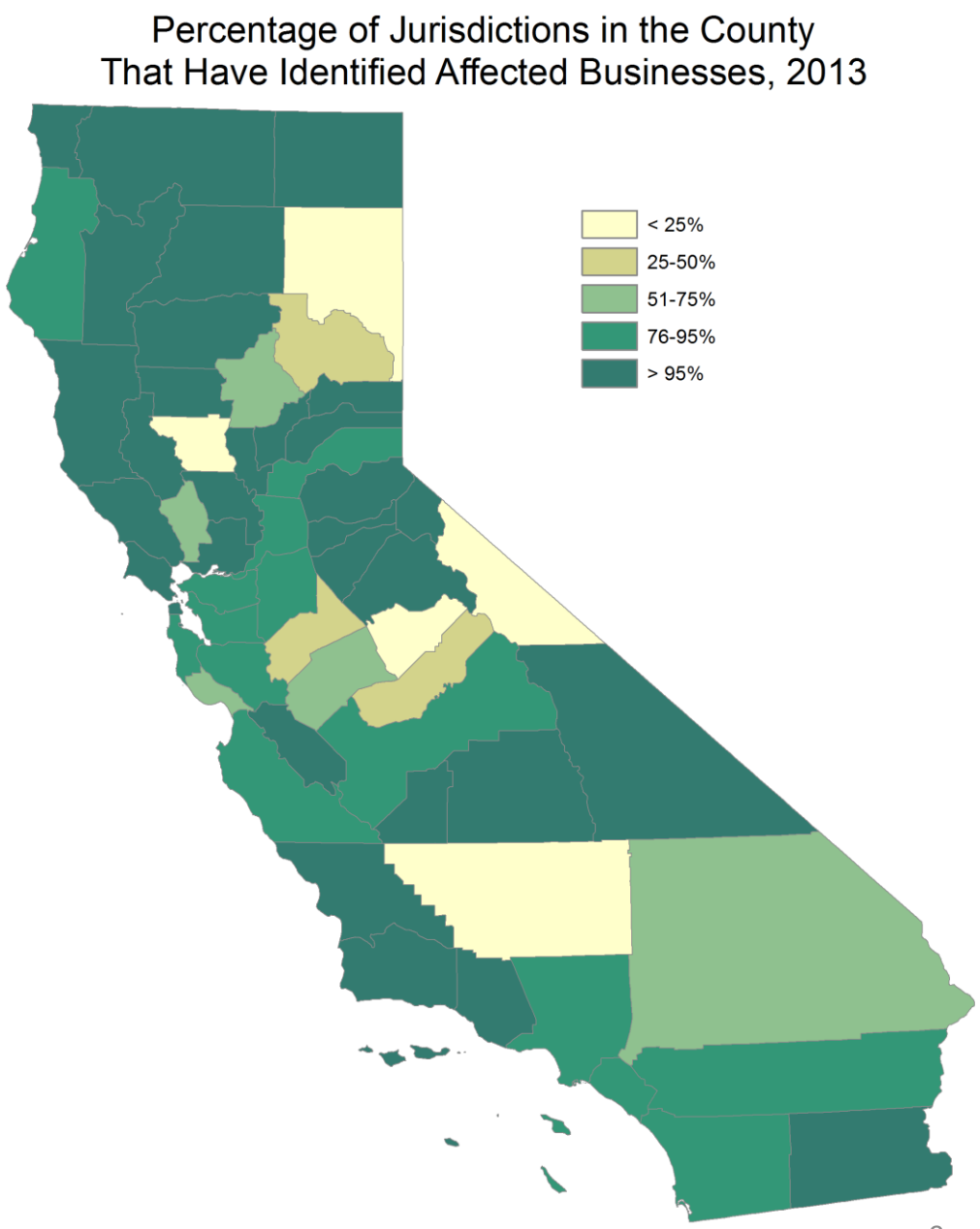
How much are businesses recycling?

2014 Waste Characterization Study

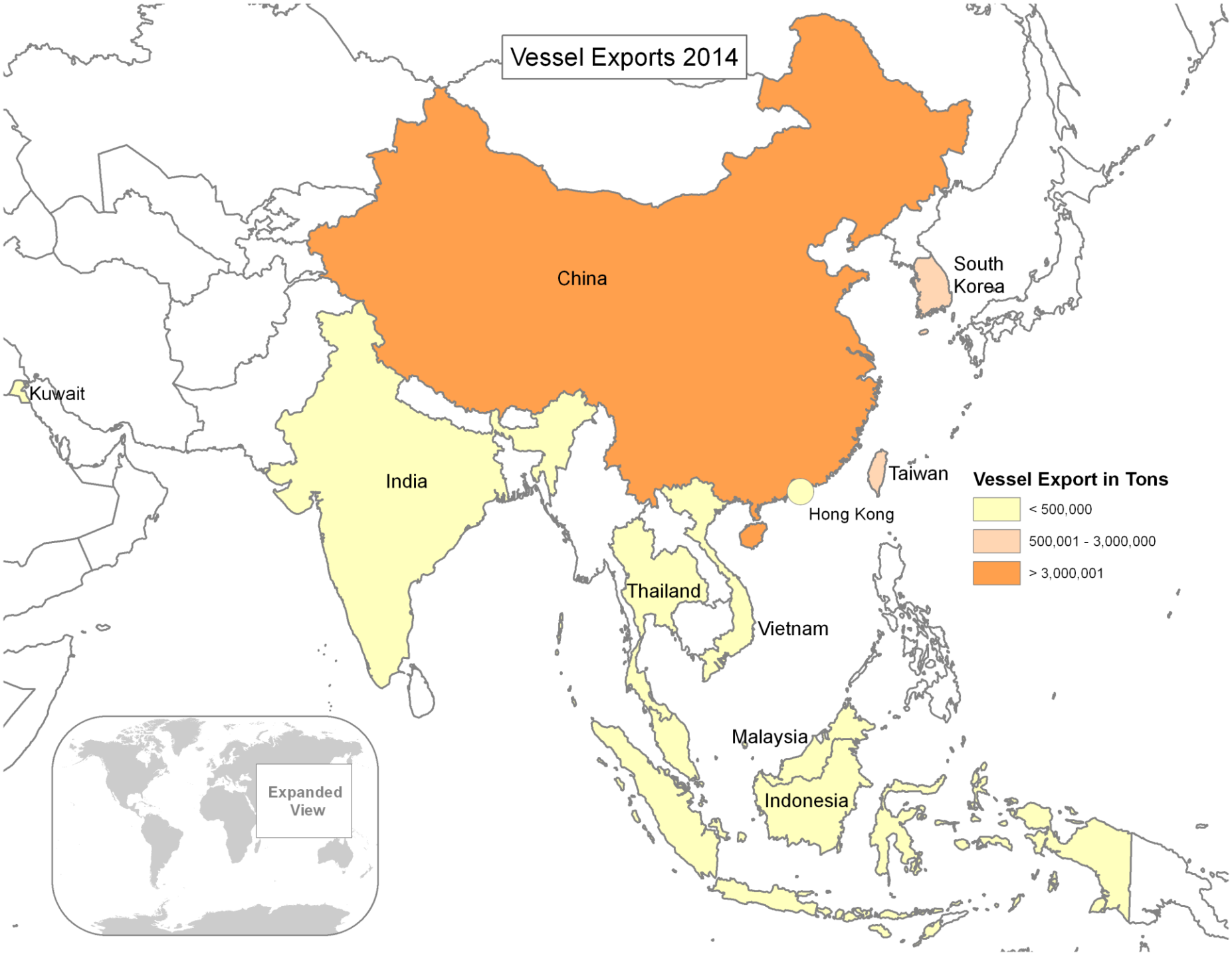


How are jurisdictions implementing MCR?

- 2013 data shows initial stages of implementation
- Jurisdictions are improving identification and reporting
- Reasons some have not fully identified regulated businesses:
  - Phased-in monitoring
  - Rurals educating all businesses rather than affected businesses
- Good initial progress

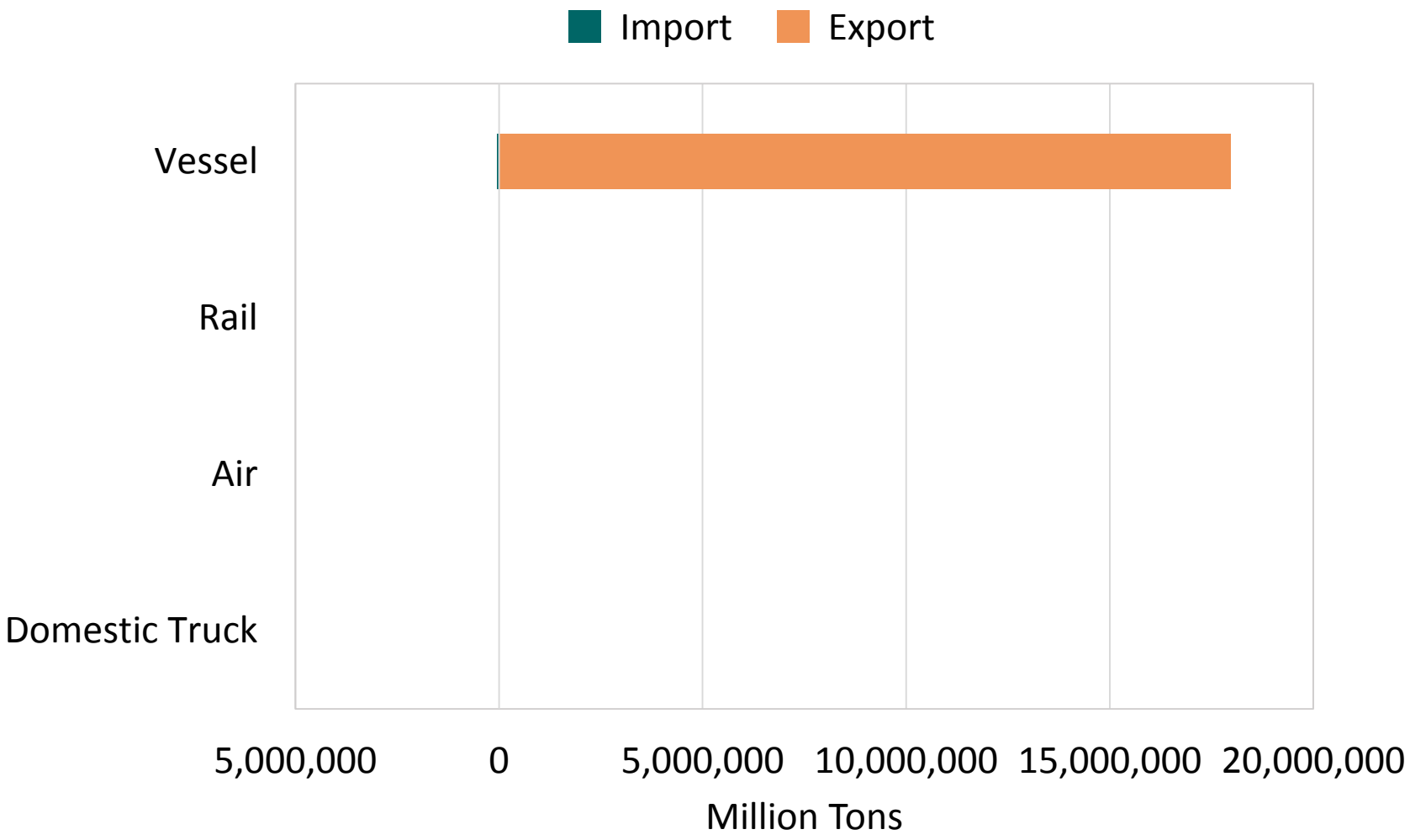


How does recyclable material flow through California?



- 18 million tons of waste and scrap material exported by vessel
- ~12-13 million tons of CA generated exported

What are other means of recyclable material flow?



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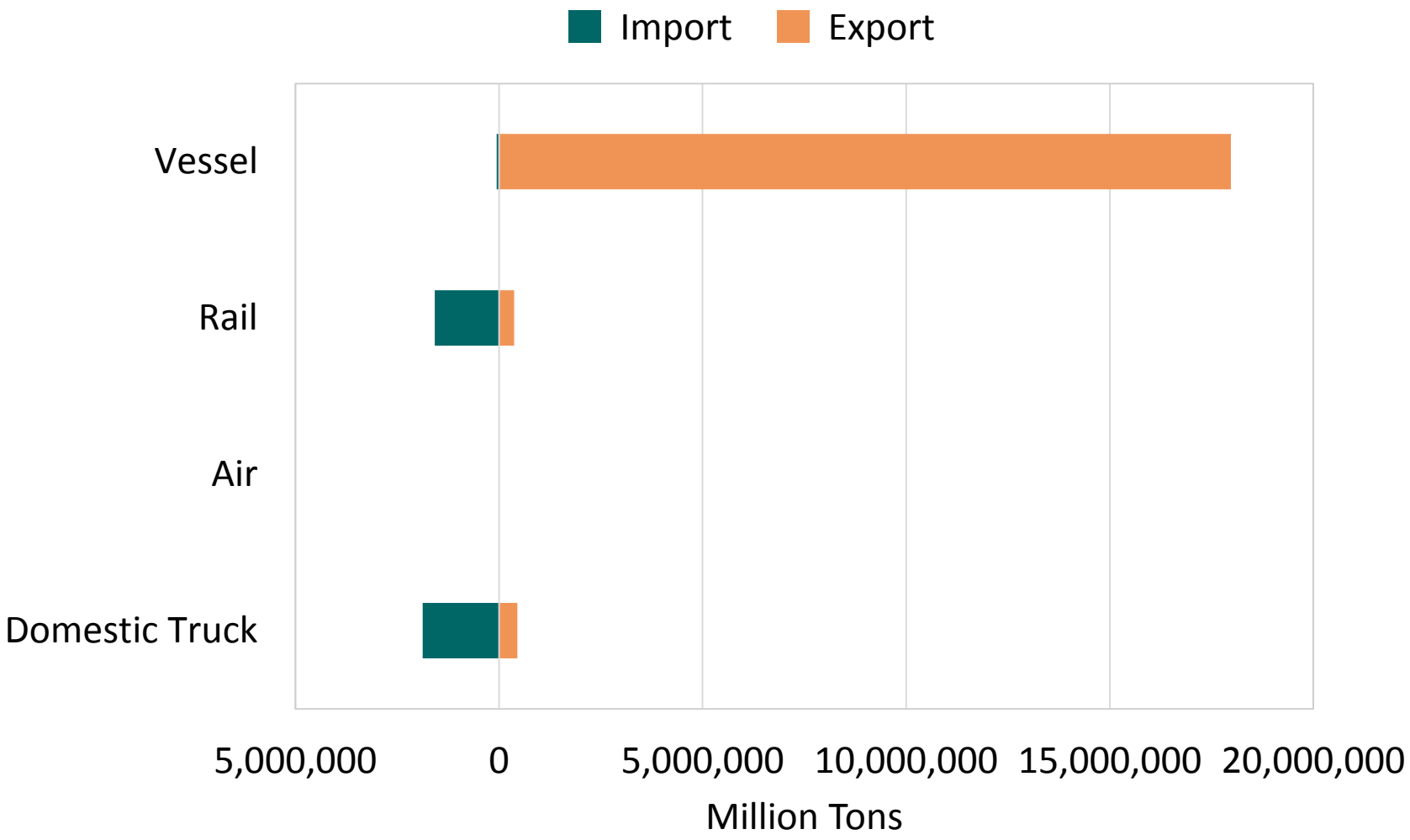
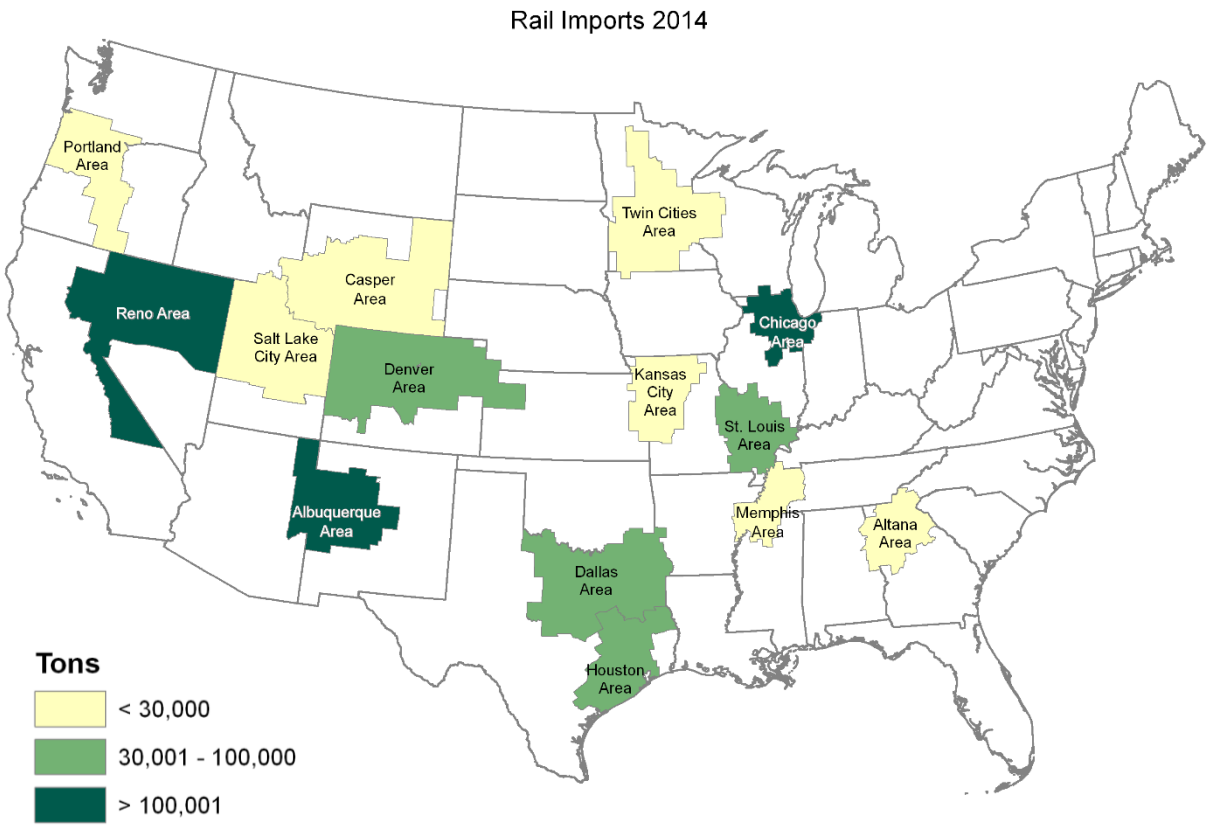
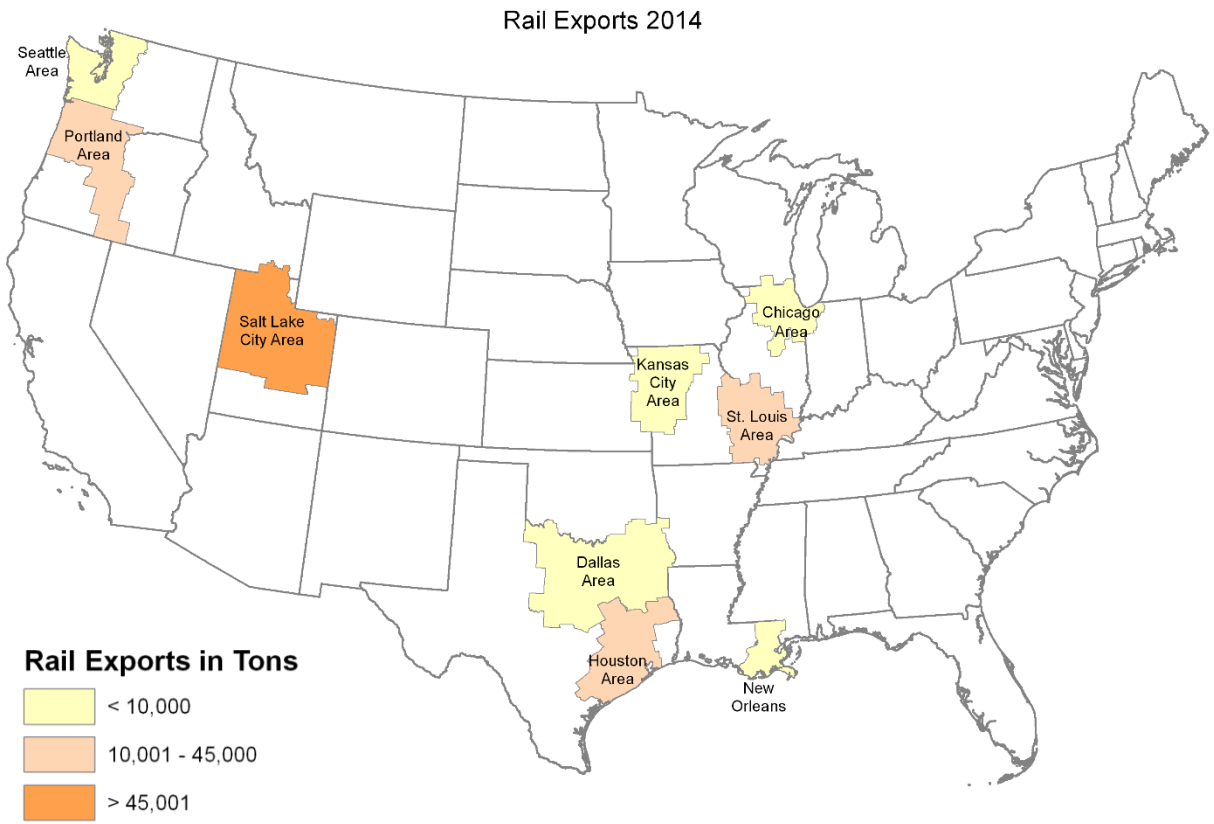


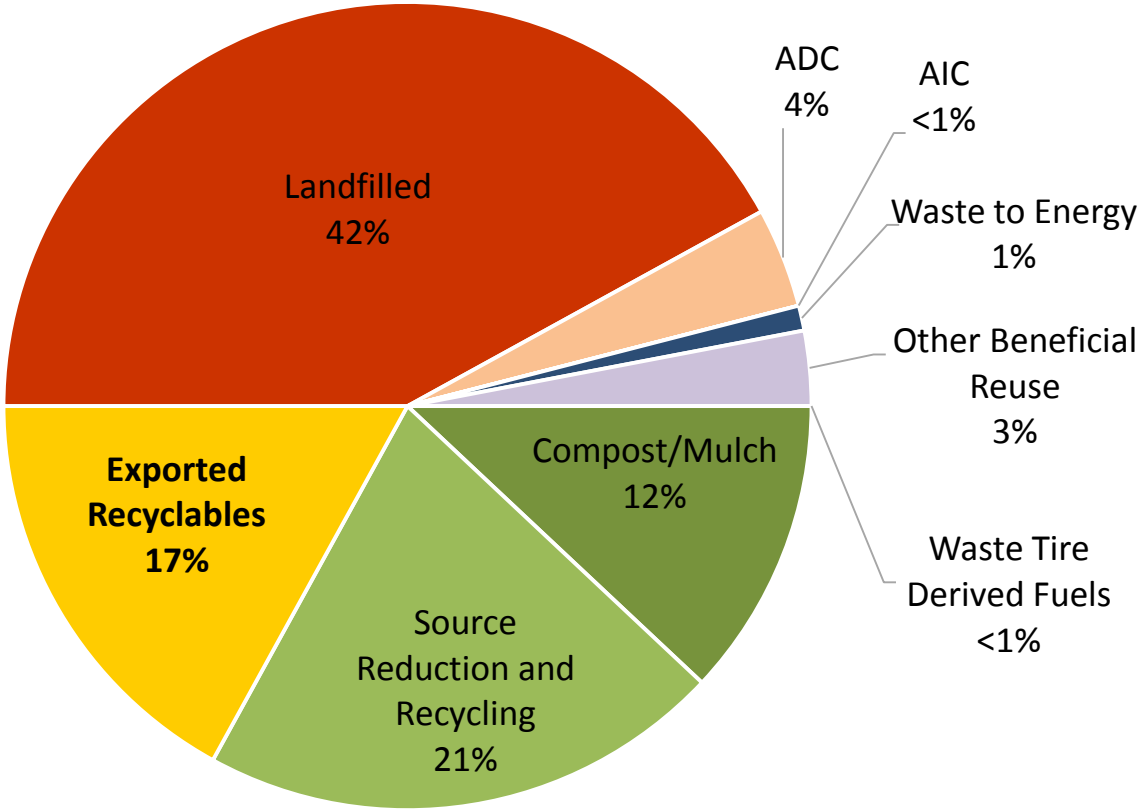
How do recyclables move by rail?





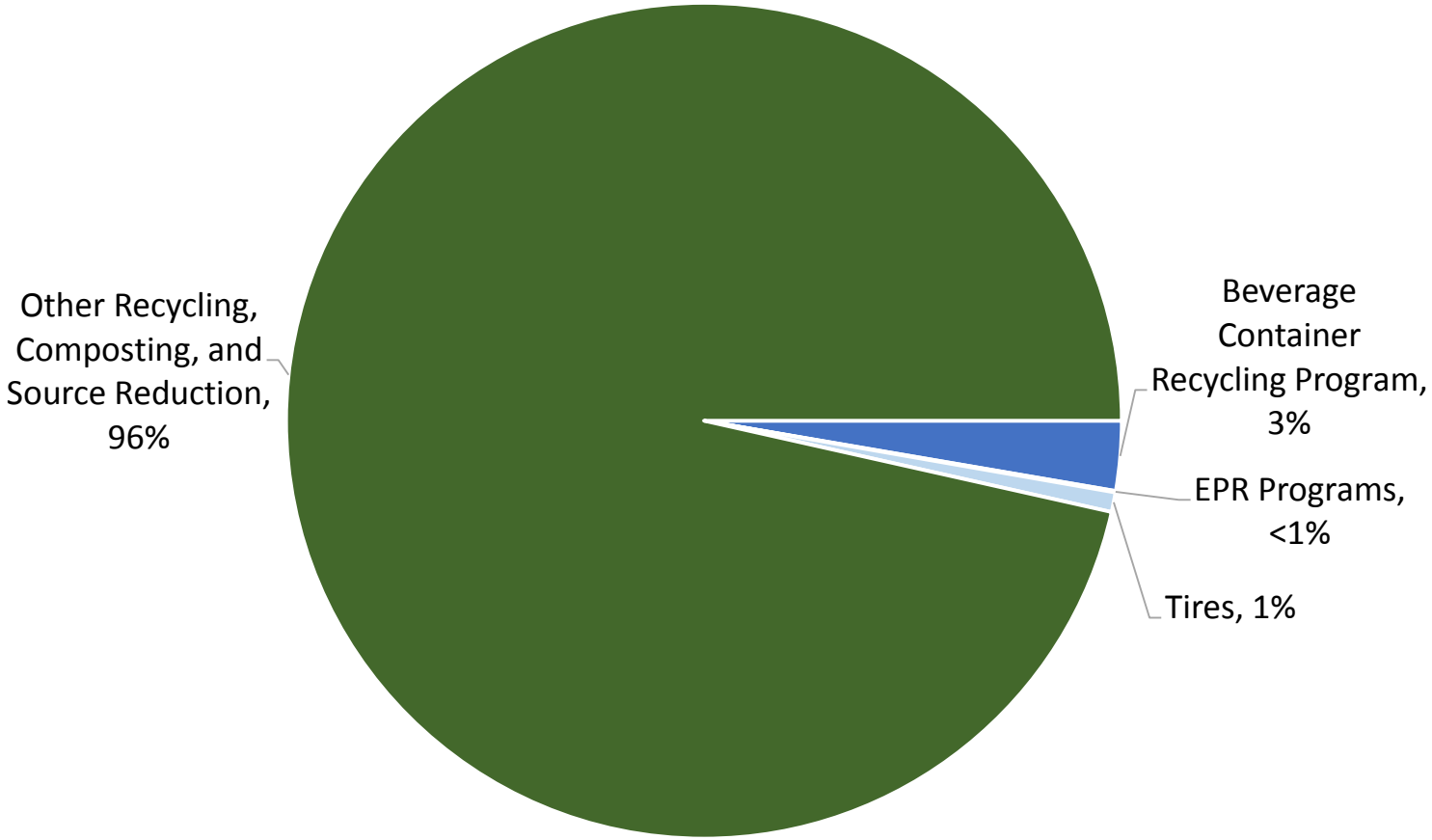
What are the impacts of exporting recyclables?

- At least 17% of waste generated in California is exported
- What is the quality of the final recycling?
- How do we better close the loop for in-state recycling?
- How do commodity prices affect the movement of material?



What is the overall state of recycling?

How much recyclable material are we tracking?



Estimated 37 million tons – AB 341

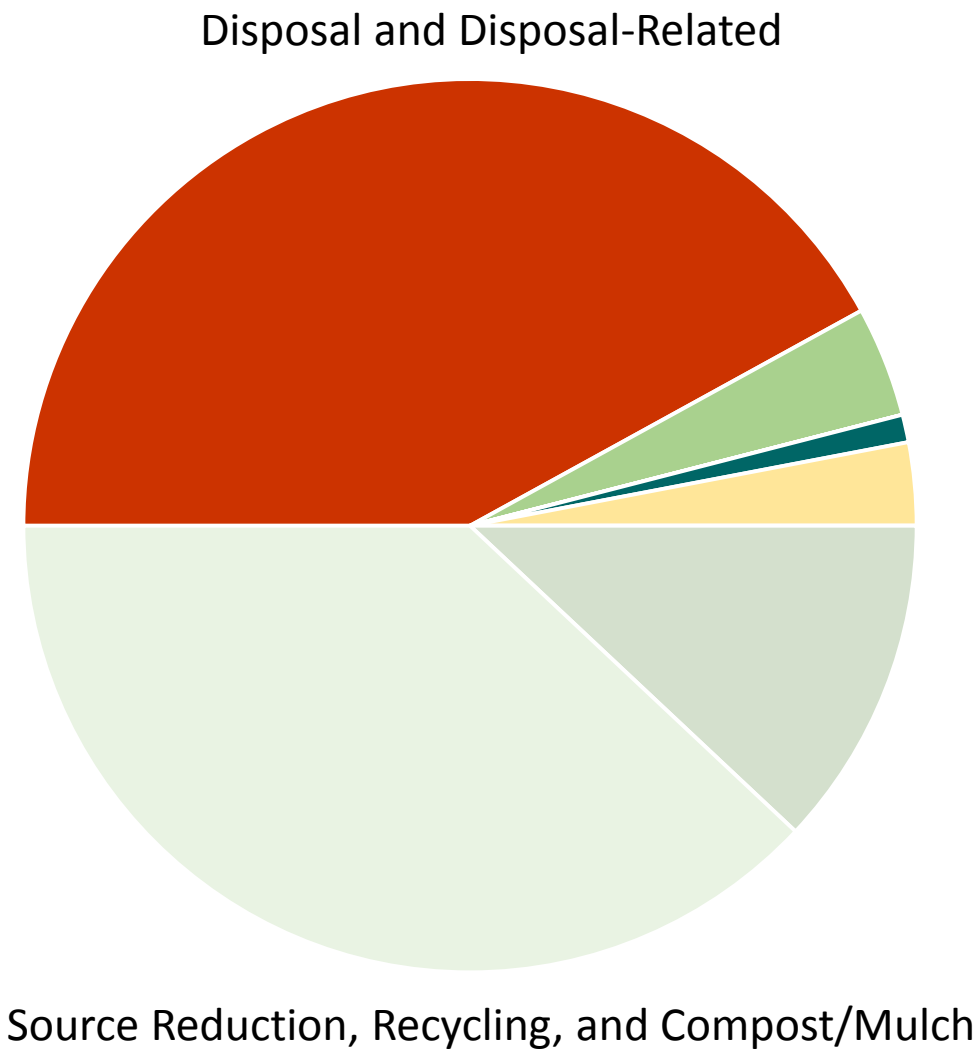
How will AB 901 affect the tracking of recycling?

Requires direct reporting:

- From recycling and composting operations and facilities
- From exporters, brokers, and transporters
- On material amounts, types, and destinations

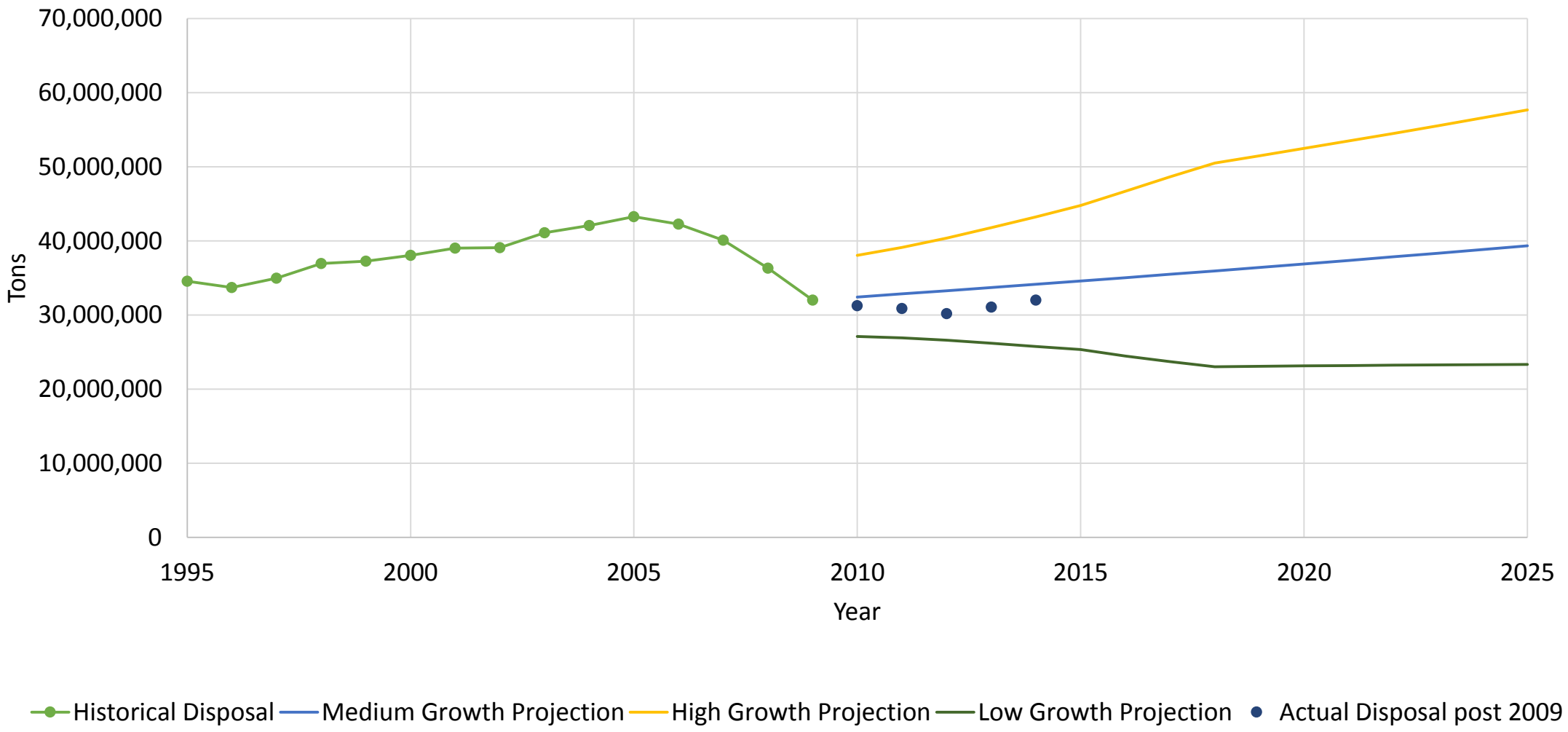
Regulation development will begin later this year

Highlights from State of Disposal Report

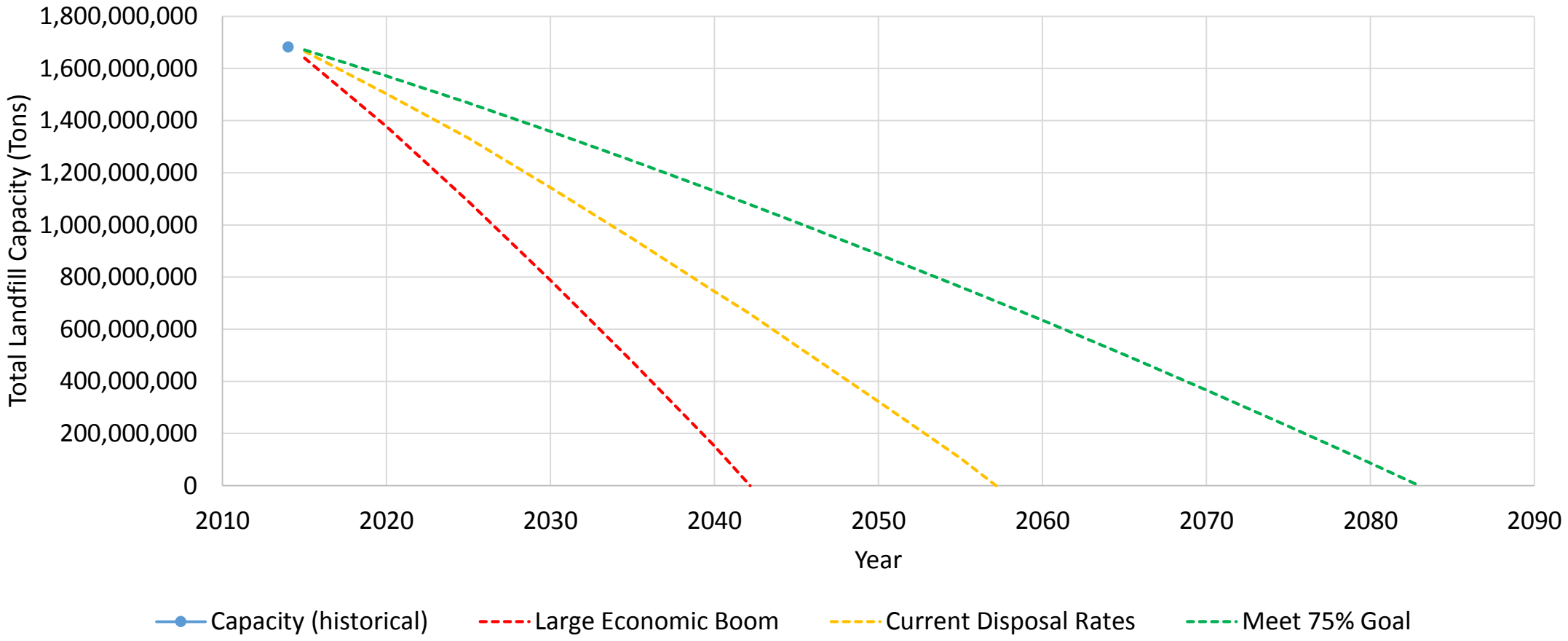


What is the status of disposal and landfill capacity?

Disposal Increases for Second Year In a Row

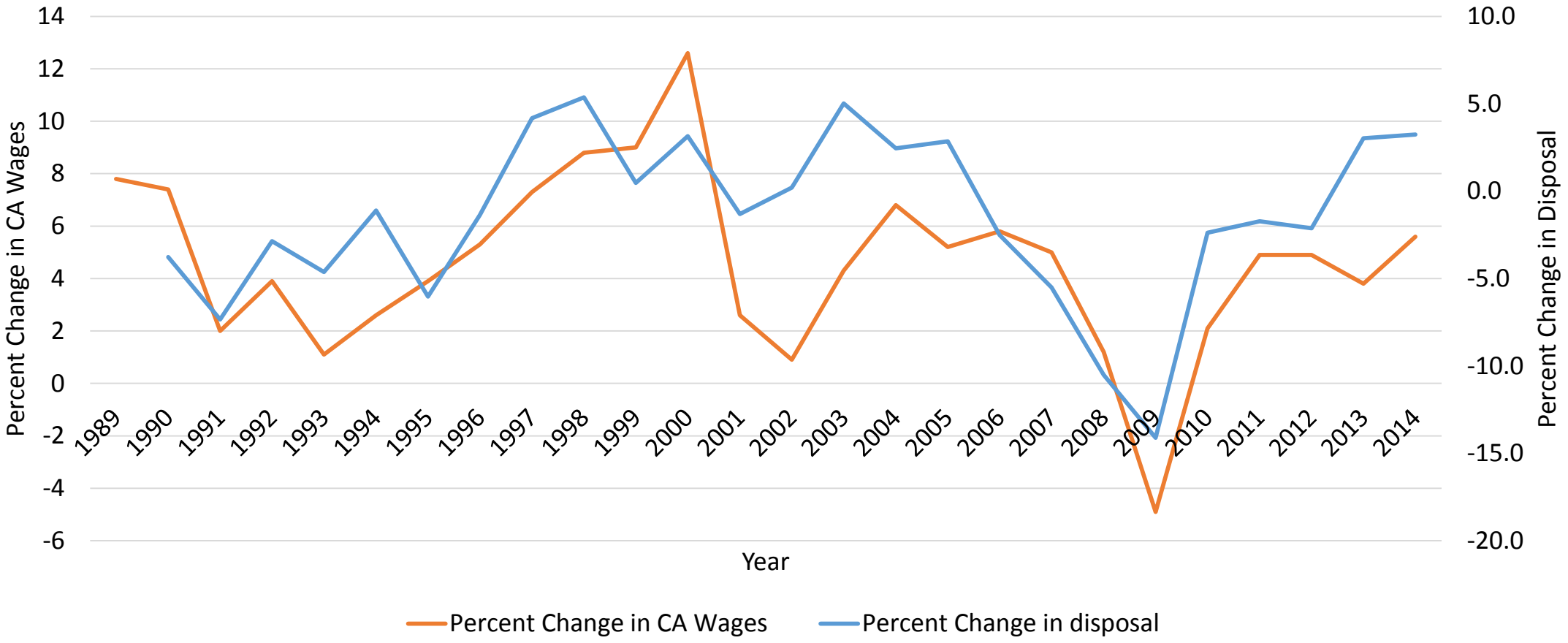


Capacity Remains Steady

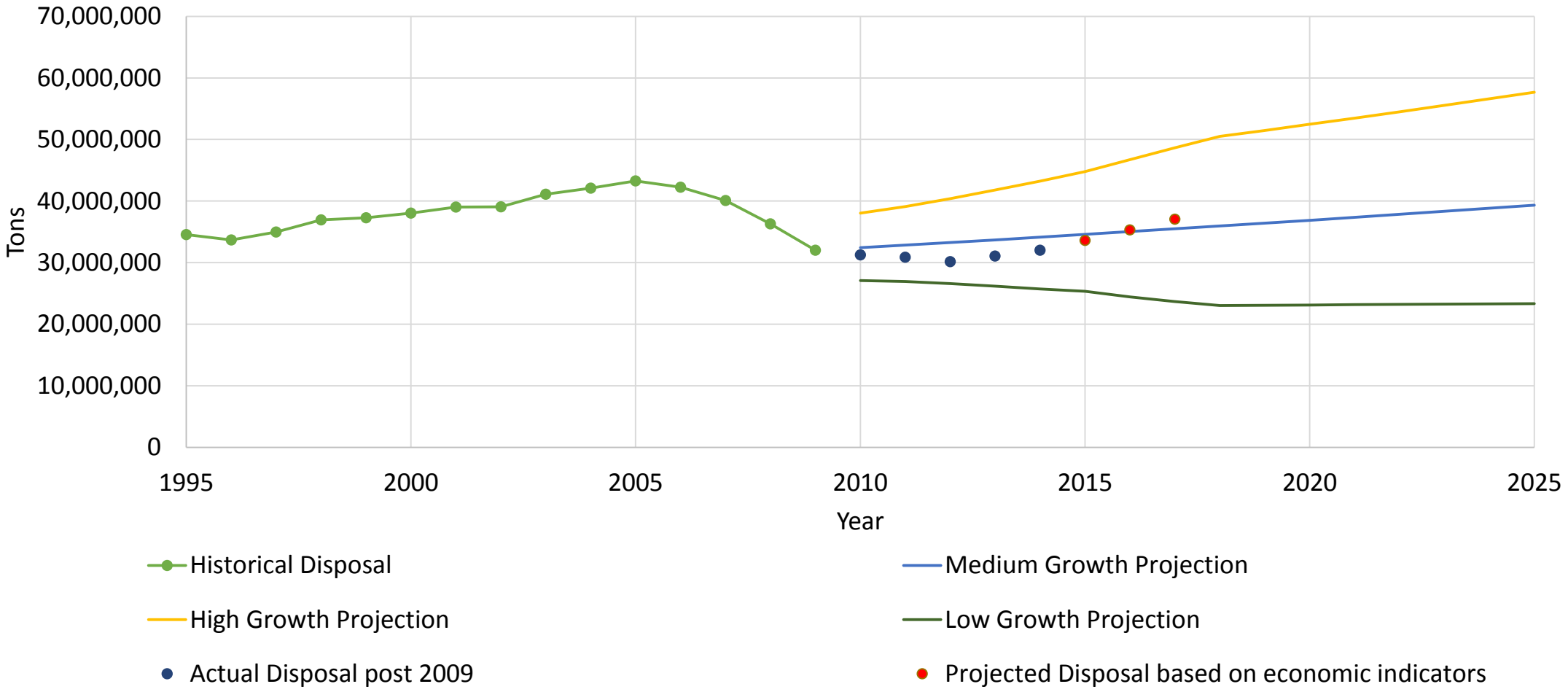


Does the economy drive disposal change?

Economic Indicators Correlate with Disposal

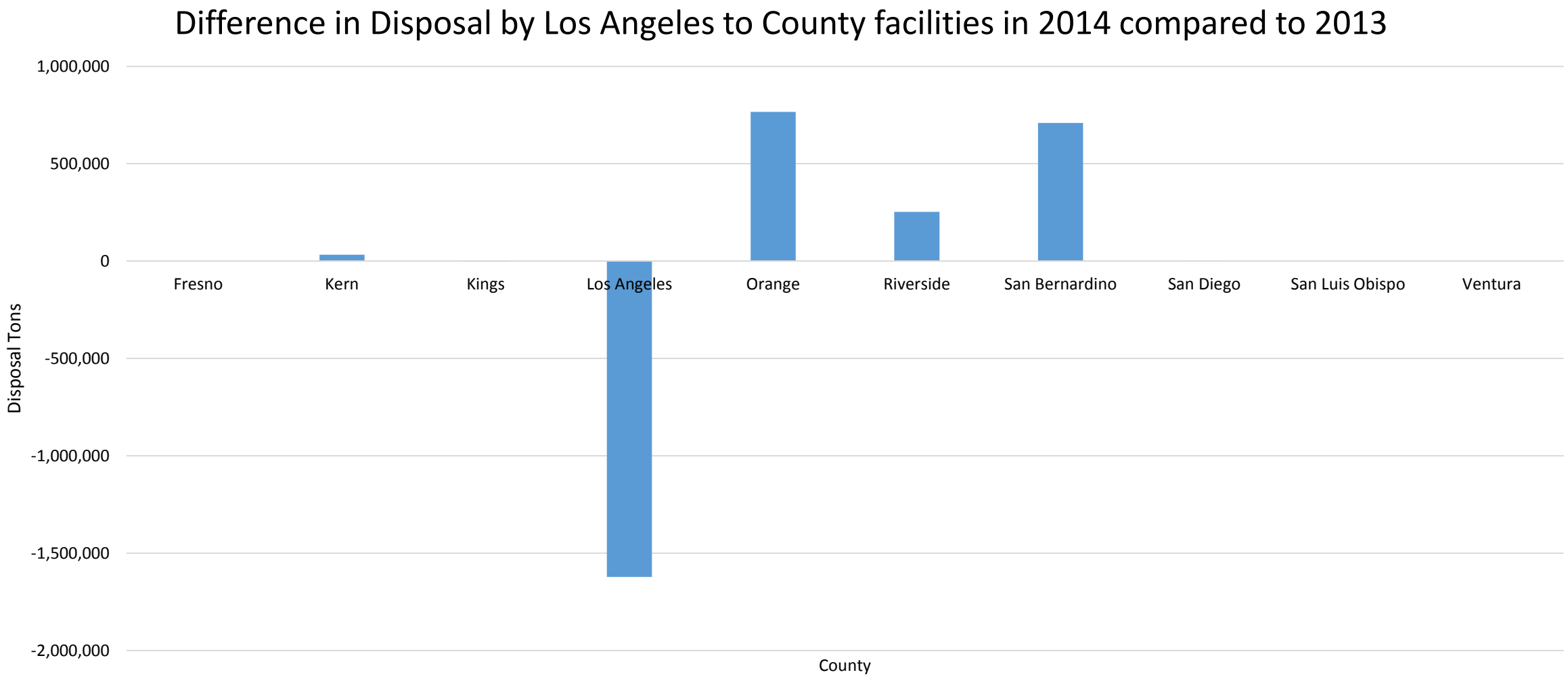


Projecting Disposal due to the Economy



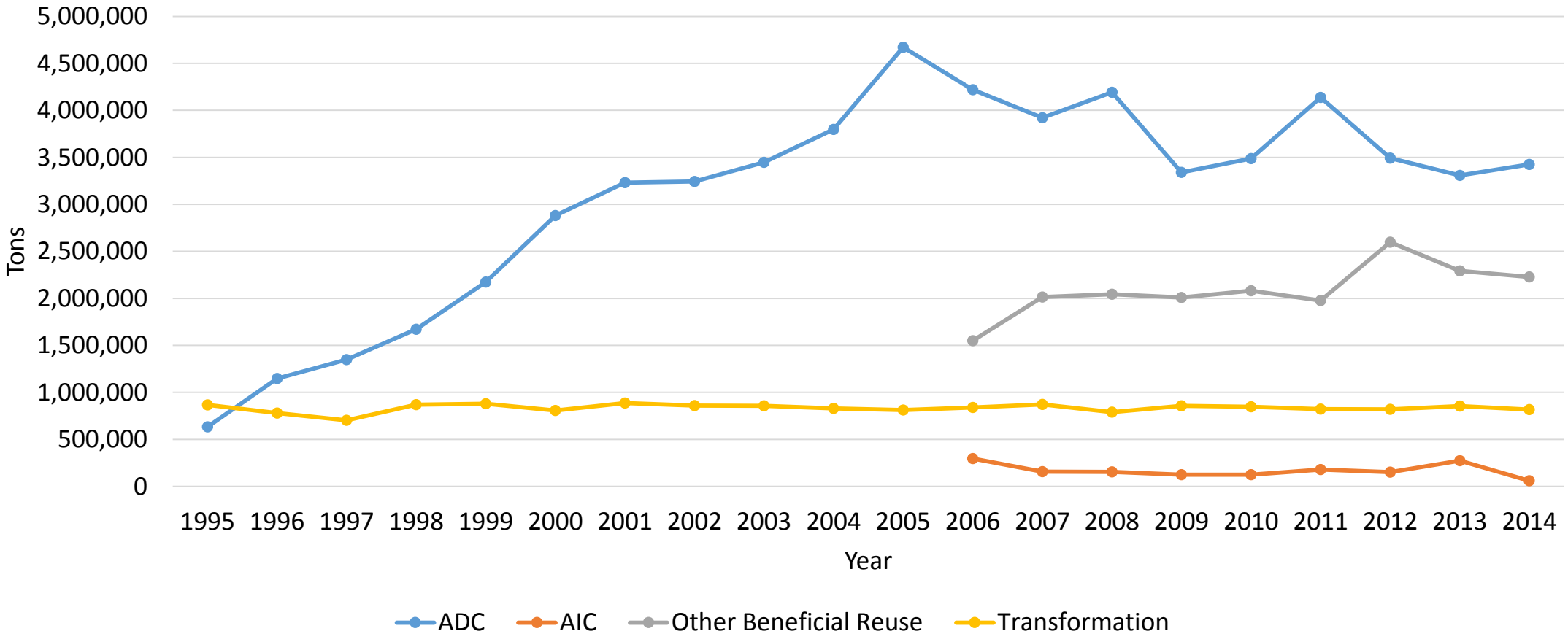
What factors affect waste flow?

Puente Hills Landfill Closure and Waste Flow

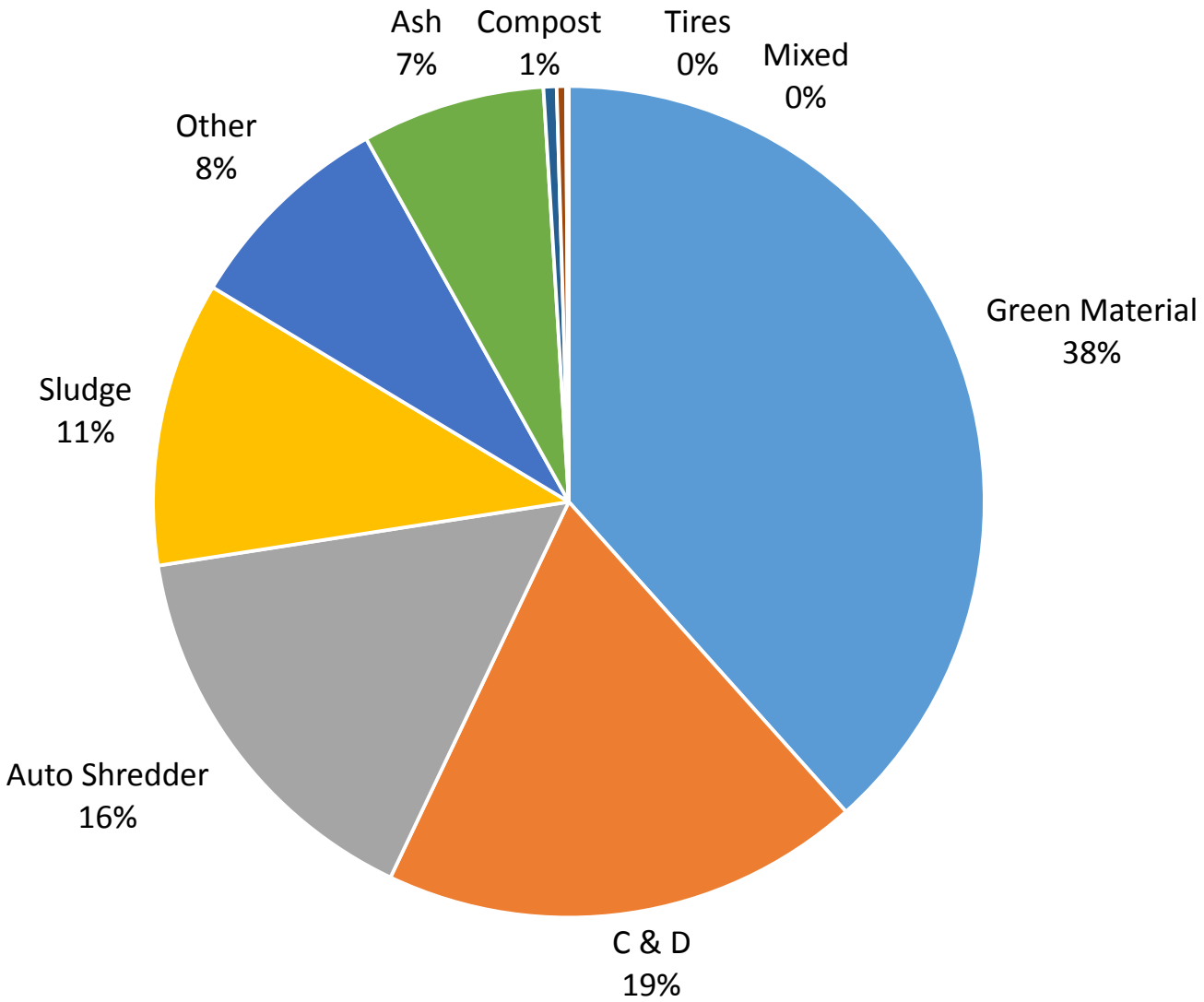


What is the use of disposal-related materials?

Disposal-Related Materials

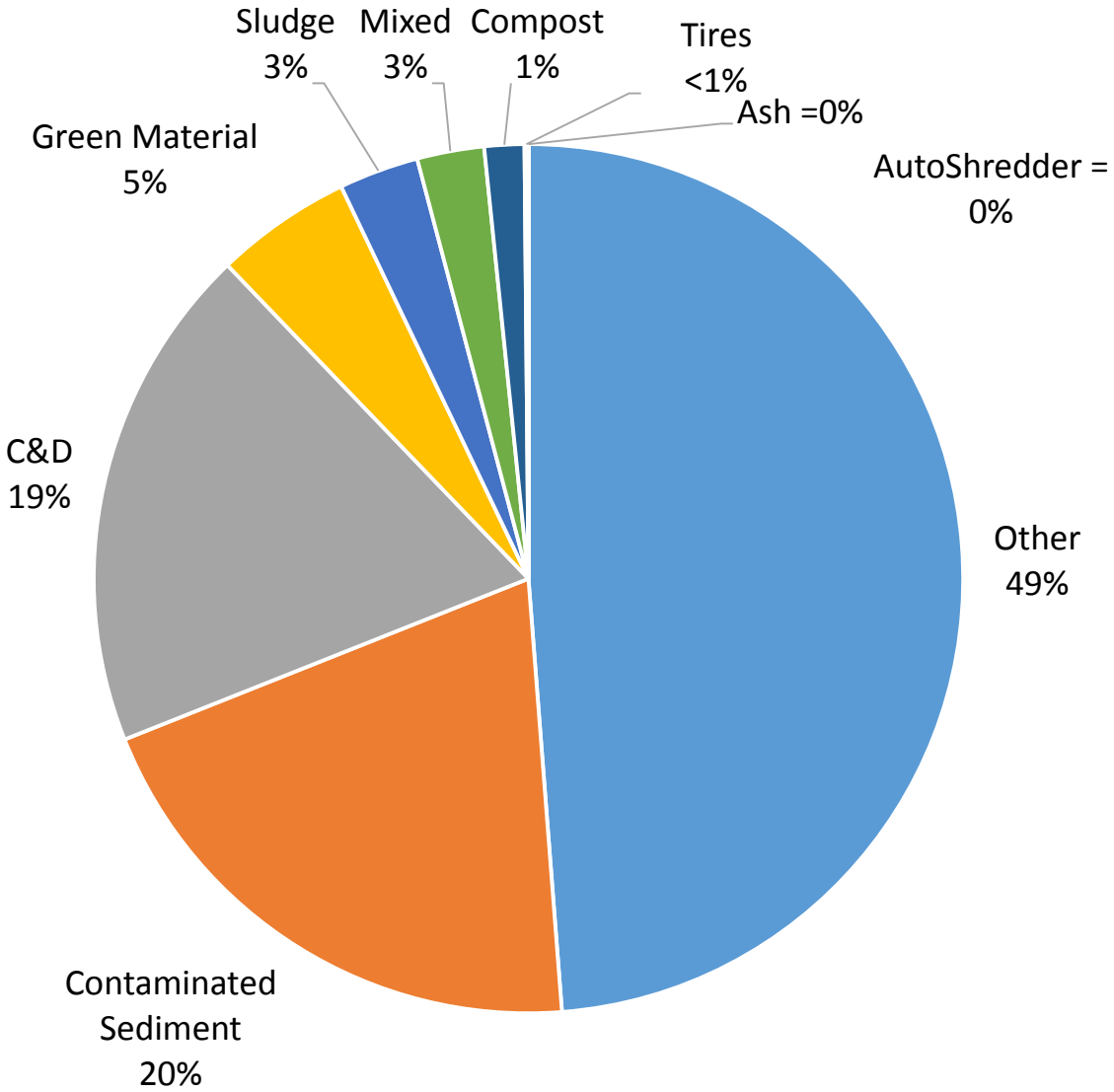


Materials Used for Total ADC in 2014



Total ADC use = 3.4 Million tons

Materials Used for Total Other Beneficial Reuse in 2014



Total other beneficial reuse = 2.2 million tons

What are the impacts of AB 901 on disposal reporting?

AB 901 Improvements to Disposal Reporting

- Direct reporting by Facilities = Less errors and more timely reporting
- Mandatory electronic reporting will improve data quality
- New enforcement may improve data timeliness and quality
- Stronger requirements for checking facility records = Accurate data.

What is the future of funding for CalRecycle’s activities?

IWMF and Funding Options

- IWMF funds the majority of CalRecycle activities
- Decrease in funding since 2006
- More funding decreases if we reach 75% recycling
- Alternative funding options

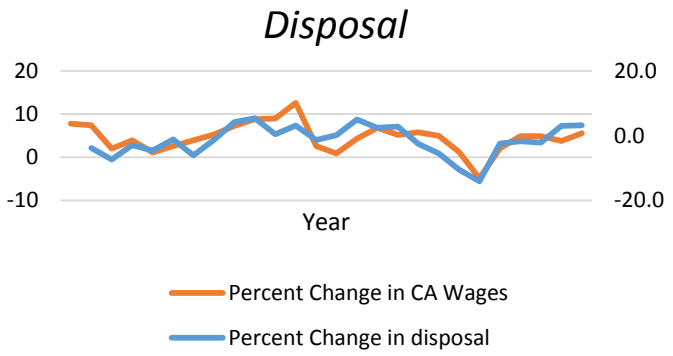
Summary of Reports

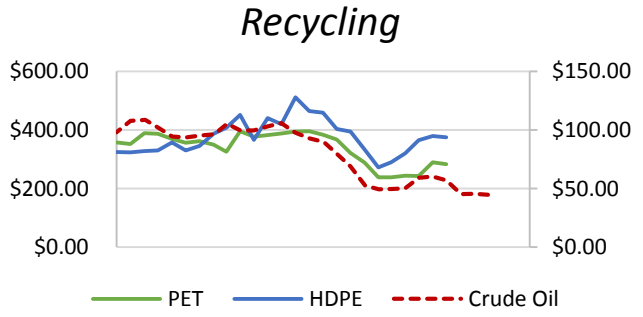
Impact of
Economic Factors

Flows of Materials

AB 901 Reporting

Summary of Reports

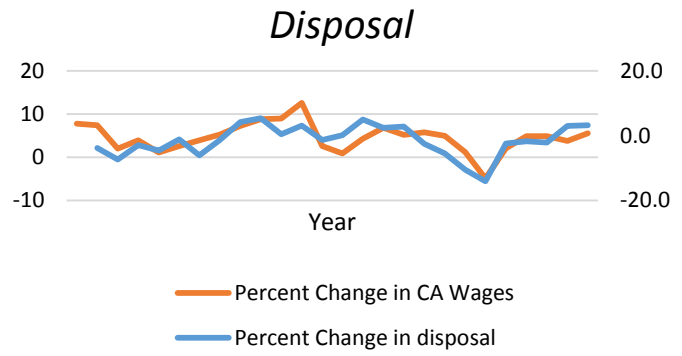


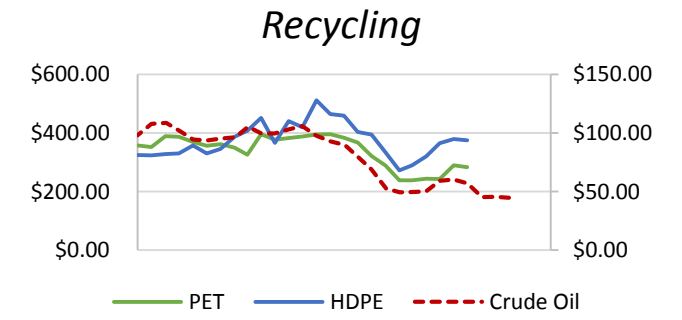


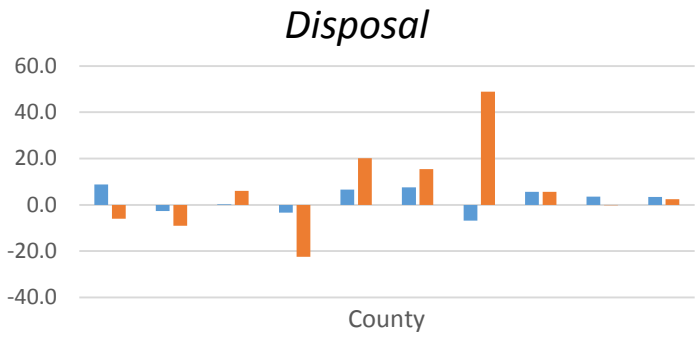
Flows of Materials

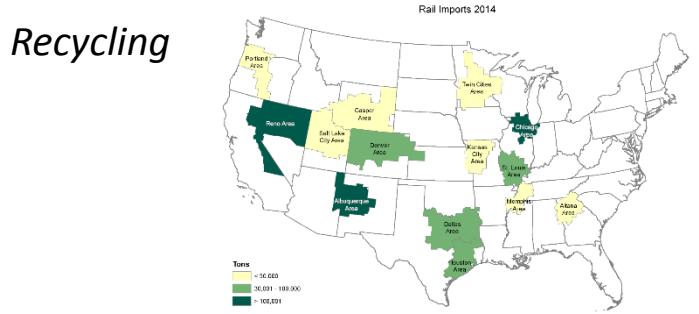
AB 901 Reporting

Summary of Reports









AB 901 Reporting

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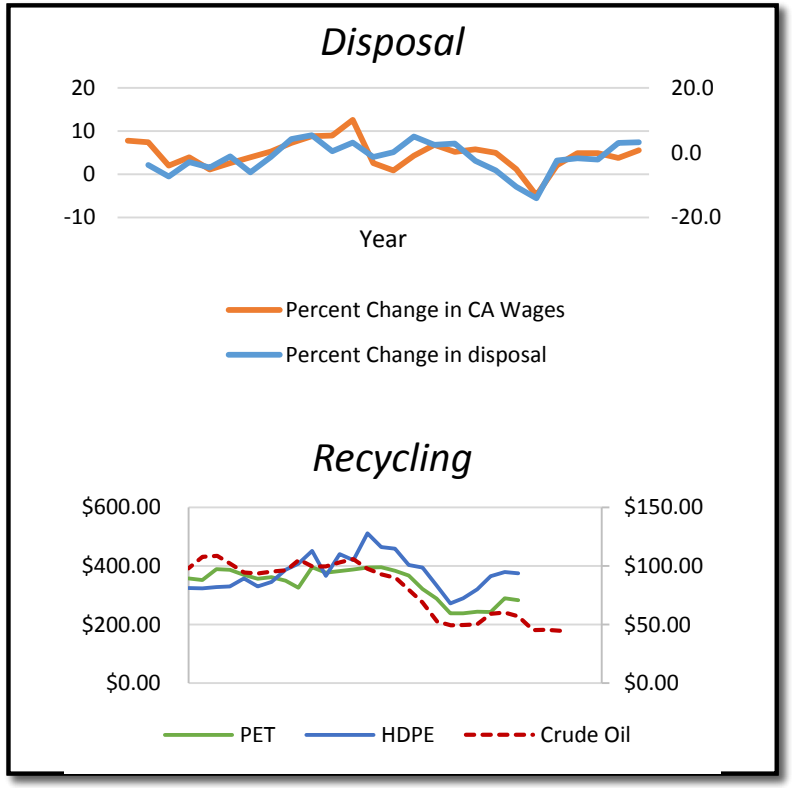

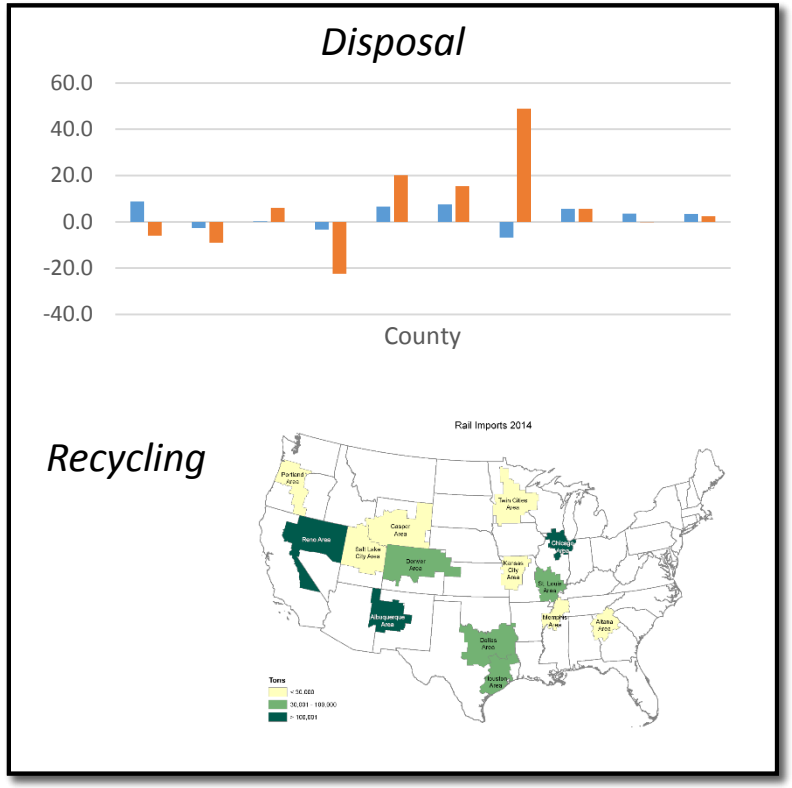

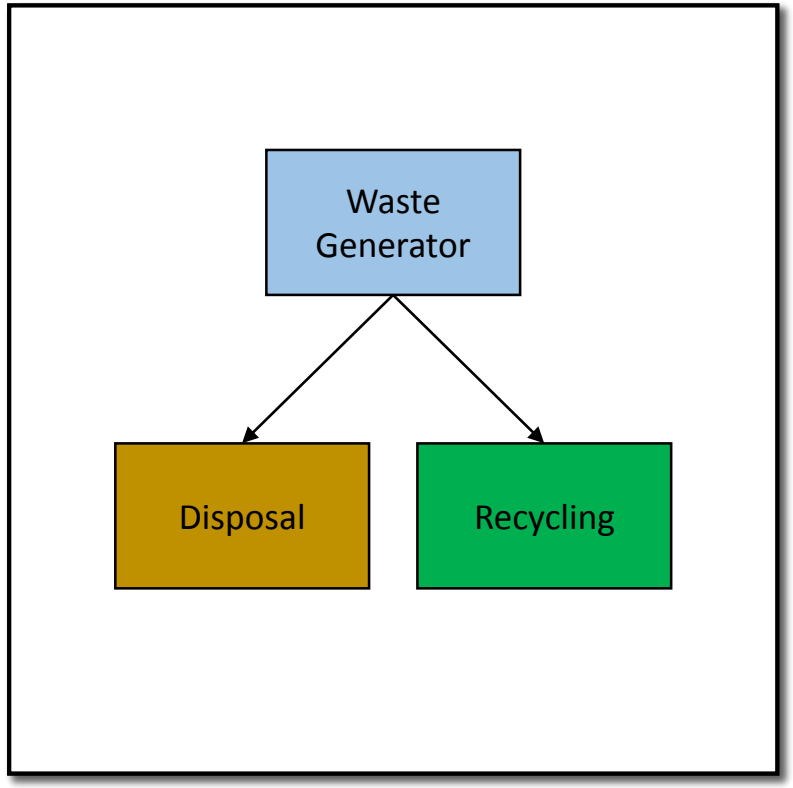

Questions?