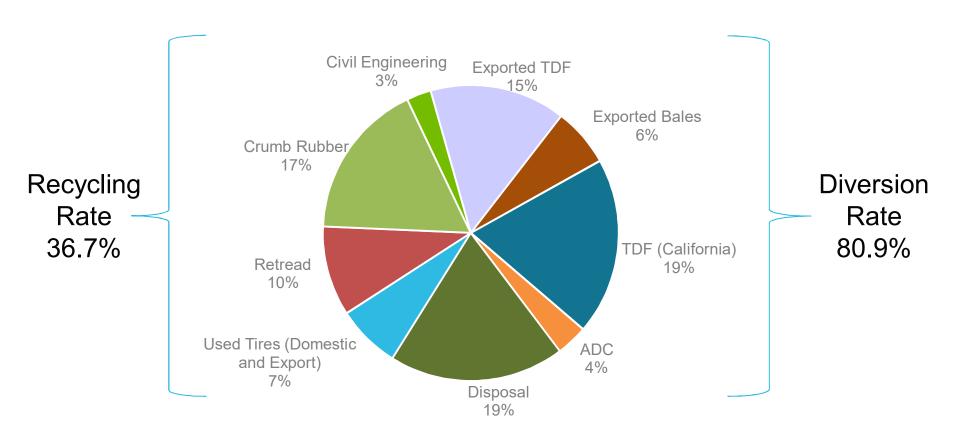


Overview: 2015 Draft Results

Total = 44.3 Million PTE





Agenda

- Methodology
- Key Findings and Trends
- Implications for Tire Market
 Development



Methodology

Data Sources

Surveys

- Processors, Balers
- TDP Producers
- TDF Users
- Retreaders
- Landfills

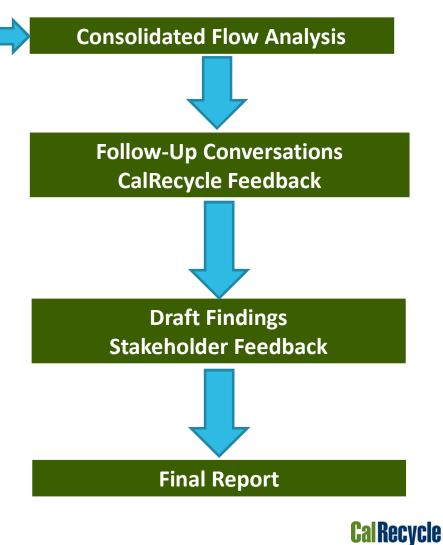
CalRecycle Data

- Waste Tire Manifest System
- Disposal Reporting System
- Grants Program
- Civil Engineering Program

Third-Party Data/Interviews

- Caltrans, CA Air Board
- Industry Experts, Trade
 Associations, Publications

Anecdotal Information



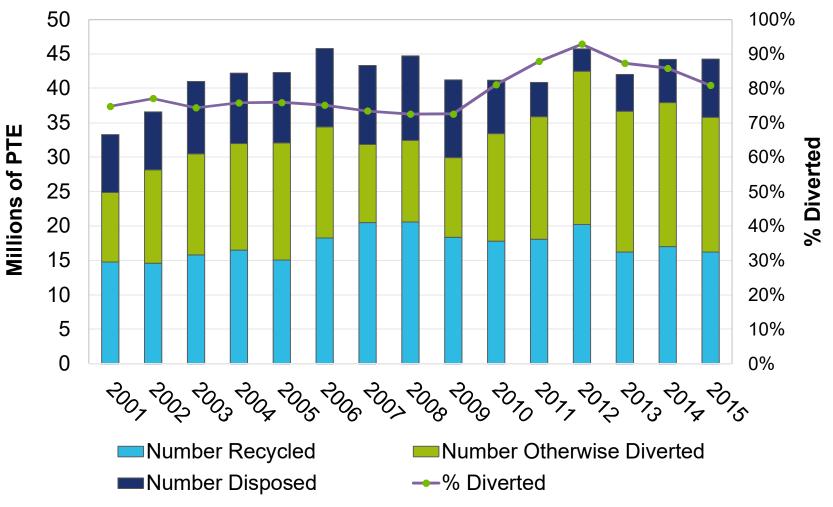
Interpreting Results

- Focus on CA Tires Flowing to Each Market Segment
- Not Counted in Flow Estimates (But Researched Separately):
 - Out-of-State Waste Tires Flowing to CA Processors
 - Out-of-State TDPs and TDM Sold/Installed in California
 - Retreader Buffings
- Generally About +/- 10% Accuracy
- Not Counted Against Calculated Recycling Rate:
 - Any Disposed Fiber or Wire
 - Disposed TDPs at End-of-Life

Today's Draft Results are Subject to Change Feedback Welcome!

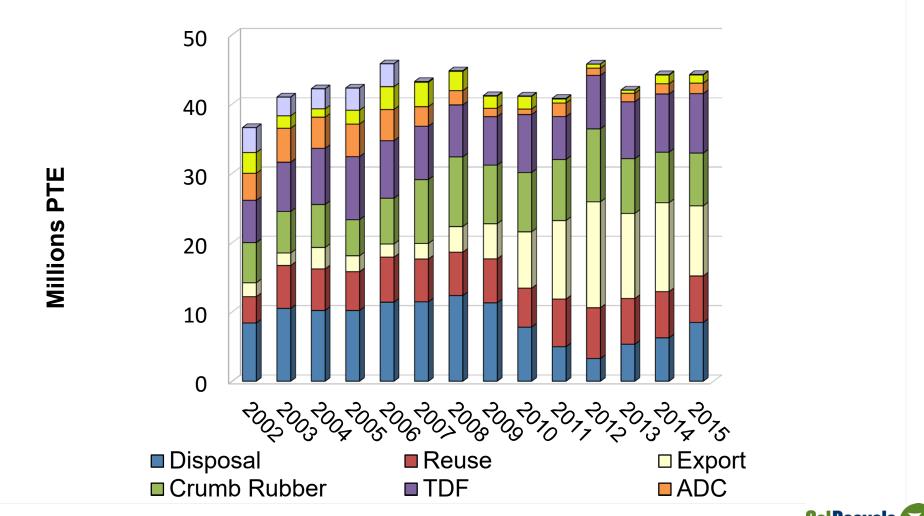


Historical Diversion Trend

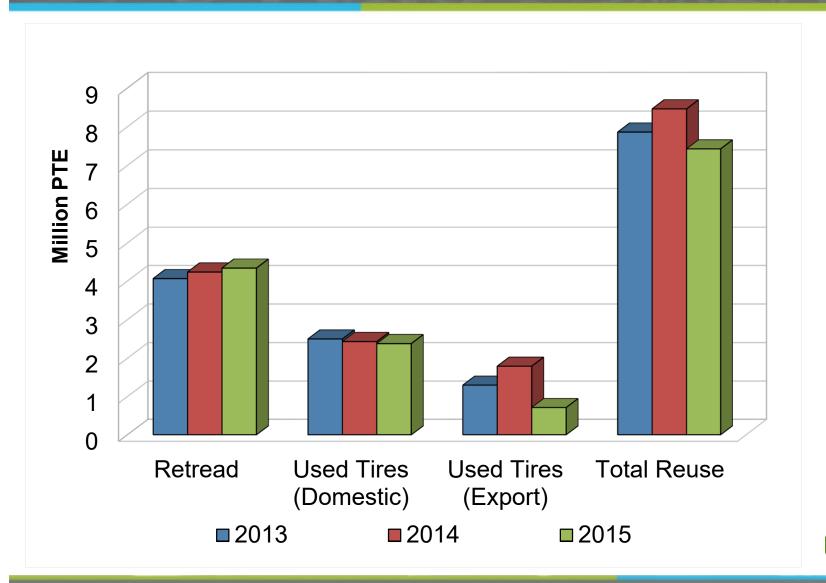




Historical Market Trend

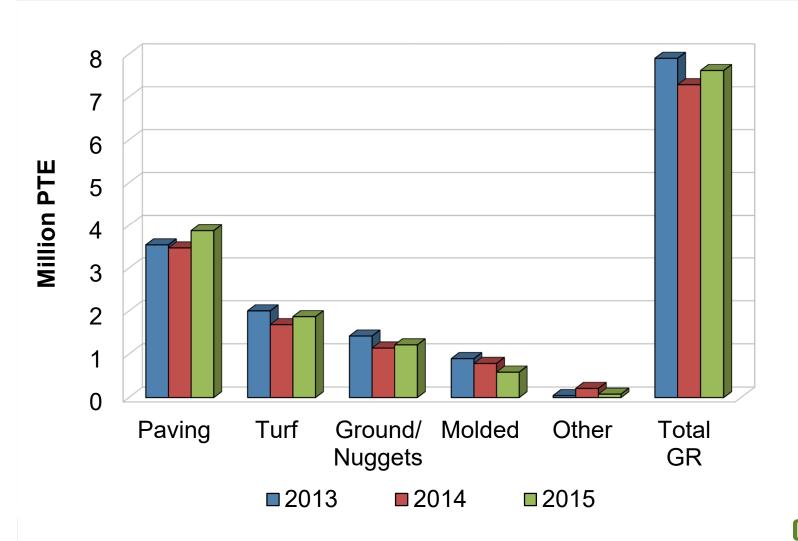


Reuse Steady Apparent Decline Due to Methodology Change

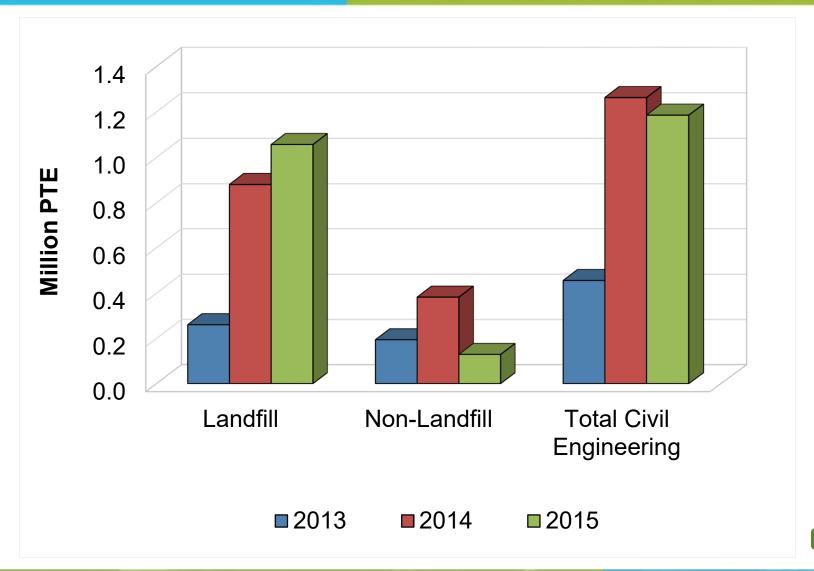




Crumb Rubber Up 5% in 2015 Expect Modest Growth in 2016

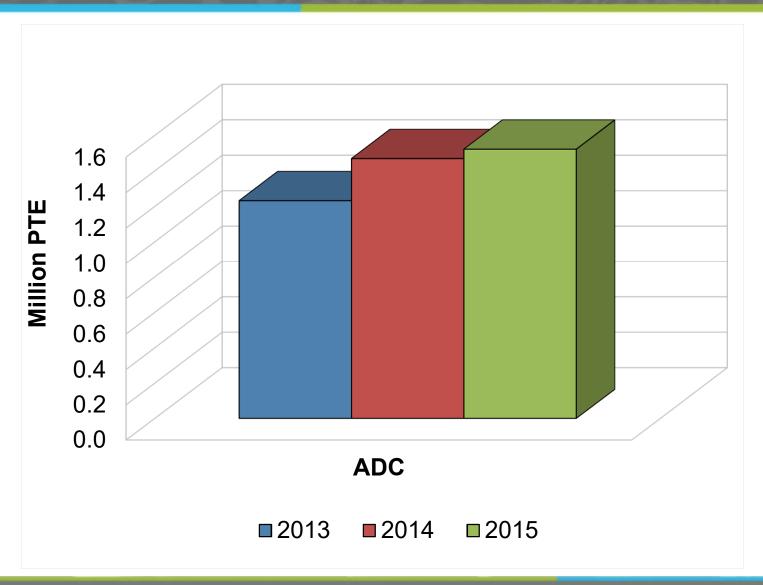


Civil Engineering Down 6% in 2015 Increase Expected in 2016+



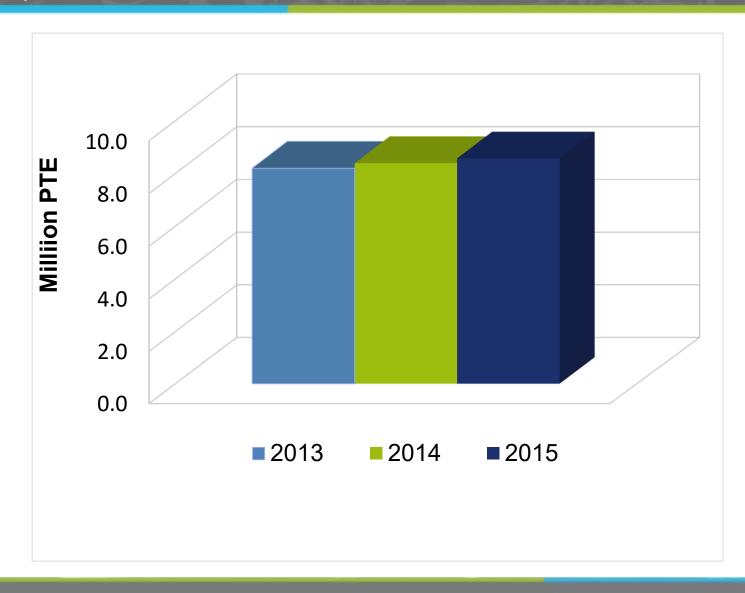


ADC Up 4% in 2015 Expect Flat in 2016



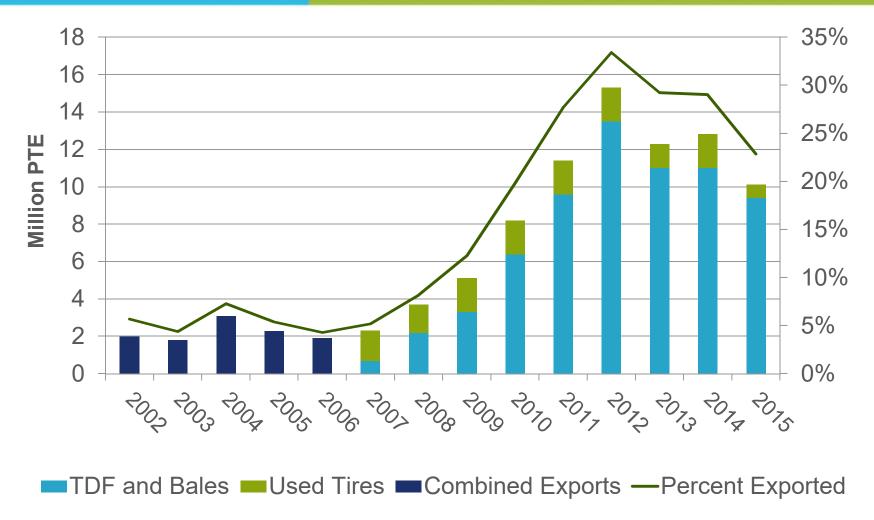


TDF Up 2% in 2015 Expect Flat in 2016



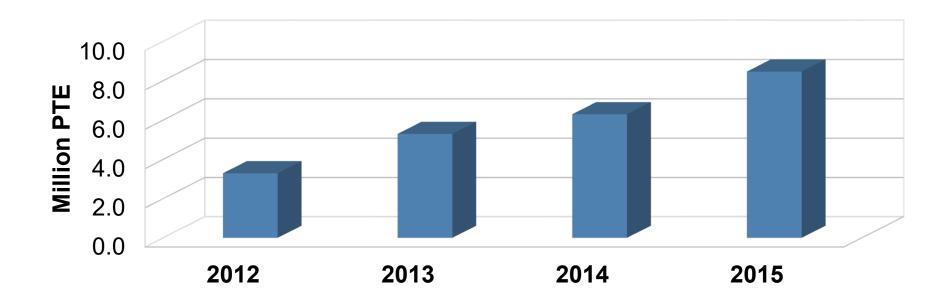


TDF Export Down 11% in 2015 Expect Flat in 2016 Bales Down 22% Decline May Continue in 2016



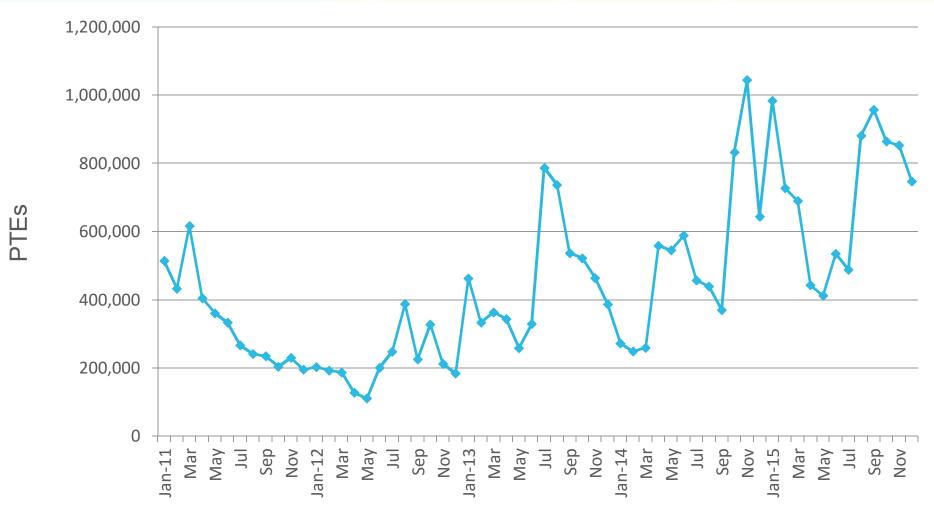


Disposal Up 35% in 2015 Uncertain in 2016





Tire Deliveries to Top 6 Tire Disposal Sites Monthly



Source: CalRecycle WTMS System

Import and Export Synopsis 2015

Category	Imports	Exports
Waste Tires	>1M PTE From Western States	25,135 Tons Bales Mainly to Asia
Culled Used Tires	>>1M Used Tires From Other States Go To/Thru CA	871,000 Units to Mexico ¹ + "Informal" Shipments; 166,933 to Other Nations ¹
Processed TDF	None – But >1M PTE to CA TDF via CA Processors	65,614 Tons Mainly to Korea and Japan
Casings	>5,000 Tons from Other States, Countries	Some to Other States, Countries
Retreads	NA	Some to other States; 108,687 Units to Other Countries ¹
Crumb/ Ground	Some From Other States, Countries	Some to Other States, Countries
Buffings	>1-2M Pounds from Other States	Some to Other States, Countries
TDPs	From Other States/ Countries	Some to Other States, Countries

1. U.S. Census Bureau

Market Development Implications Must Double Recycling to Reach 75% (17M Additional PTE)

- Reuse: Thriving Independently, But Concerns Over Chinese Imports; Little Room for Growth
- Crumb Rubber: Need New/Expanded Markets
 - Paving: Potential for 6M+ More PTE w/Caltrans Policy
 - Turf: Some Growth Possible Despite Negative Media
 Focus, New Studies Critical; 50% Growth = 1M More PTE
 - Ground/Nuggets: Some Growth Possible; 100% Growth
 = 1.2M More PTE
 - Molded: Diversifying But Low-Volume; Very Optimistic Long-Term Growth Potential Probably <4M PTE



Market Development Implications Must Double Recycling to Reach 75% (17M More PTE)

- Civil Engineering: Need Increased, More Consistent Demand
 - A Sustained 5-fold Increase Over the 5-Year Running Average Per Year = 4.2M More PTE
- Above Hypothetical Expansion = 16.4M PTE
- Key Questions:
 - How to Expand Existing and Establish New Markets?
 - Who Are the TDP Customers? What Do They Need?
 - How Can State Policies and Programs Best Foster
 Industry Innovation and Investment?

 Cal Recycle

Feedback Questions & Answers

Prediction:

Continued Success and Challenges
A Thriving, Environmentally Beneficial Tire Recycling
Industry

Please Comment on This Draft Analysis

Send feedback **by May 31** to:

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Final Report Expected In July



