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manufacturers
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U.S. Scrap Tire Management Summary 2005 - 2009

October 2011; Updated September 2013

2009 U.S. Scrap Tire Market Summary

(in Thousands of Tons)

Market or Disposition	2005	2007	2009
Tire-Derived Fuel	2144.64	2484.36	2084.75
Ground Rubber	552.51	789.09	1354.17
Land Disposed	590.81	593.98	653.38
Used Tires	n/a	n/a	371.25
Civil Engineering	639.99	561.56	284.92
Reclamation Projects	UNK	132.58	130.00
Exported ¹	111.99	102.08	102.10
Baled Tires/market	UNK	UNK	27.76
Electric Arc Furnace	18.88	27.14	27.10
Baled/no market	42.22	9.31	15.57
Agricultural	47.59	7.13	7.10
Punched/ Stamped	100.51	1.85	1.90
Total to Market	3616.11	4105.79	4391.05
Generated ²	4410.73	4595.72	5170.50
% to Market/Utilized	82.0%	89.3%	84.9%
% Managed (including baled and landfilled tires)	96.3%	102.5%	97.9%

¹RMA began tracking tires culled from scrap tire collection entering domestic used passenger and light truck used tire markets in 2009.

²RMA changed the basis for reporting scrap tire generated annually from state-provided data in 2005-2007 to a calculation of replacement market tires sold and vehicles scrapped in 2009.

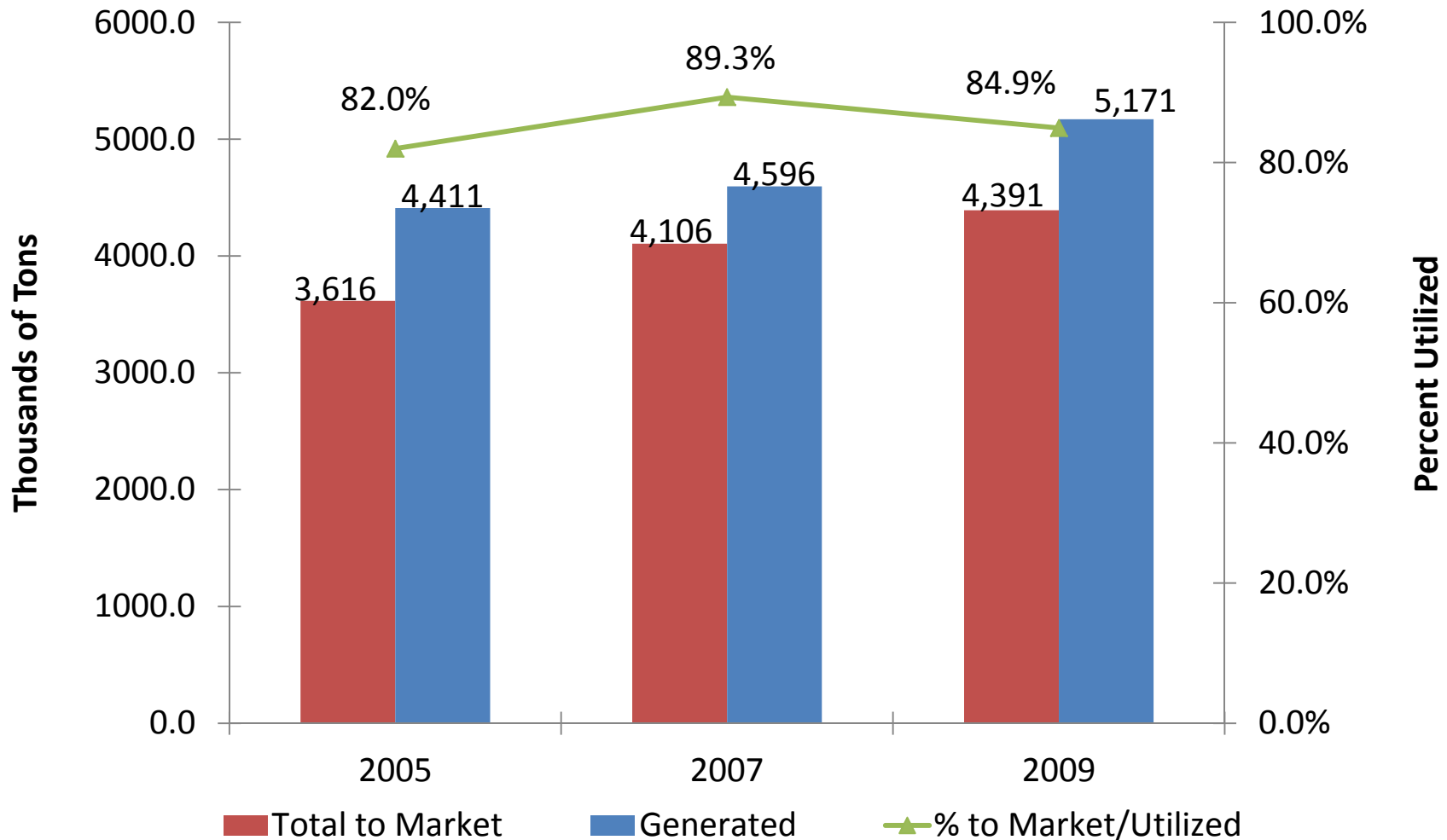
2009 U.S. Scrap Tire Generation

Tire Class	Millions of Tires	Market %	Average Weight (lbs)
Light Duty Tires	259.1	87.33%	22.5
<i>Passenger tire replacements¹</i>	189.50	63.86%	
<i>Light truck tire replacements¹</i>	27.80	9.37%	
<i>Tires from scrapped vehicles²</i>	41.8	14.10%	
Commercial Tires	37.6	12.67%	120
<i>Medium, wide base, heavy truck replacement tires¹</i>	13.0	4.38%	
<i>Tires from scrapped trucks and buses²</i>	24.6	8.29%	
Total scrapped tires	296.7	100.0%	34.8

¹ Factbook 2010: U.S. Tire Shipment/Activity Report for Statistical Year 2009, Rubber Manufacturers Association.

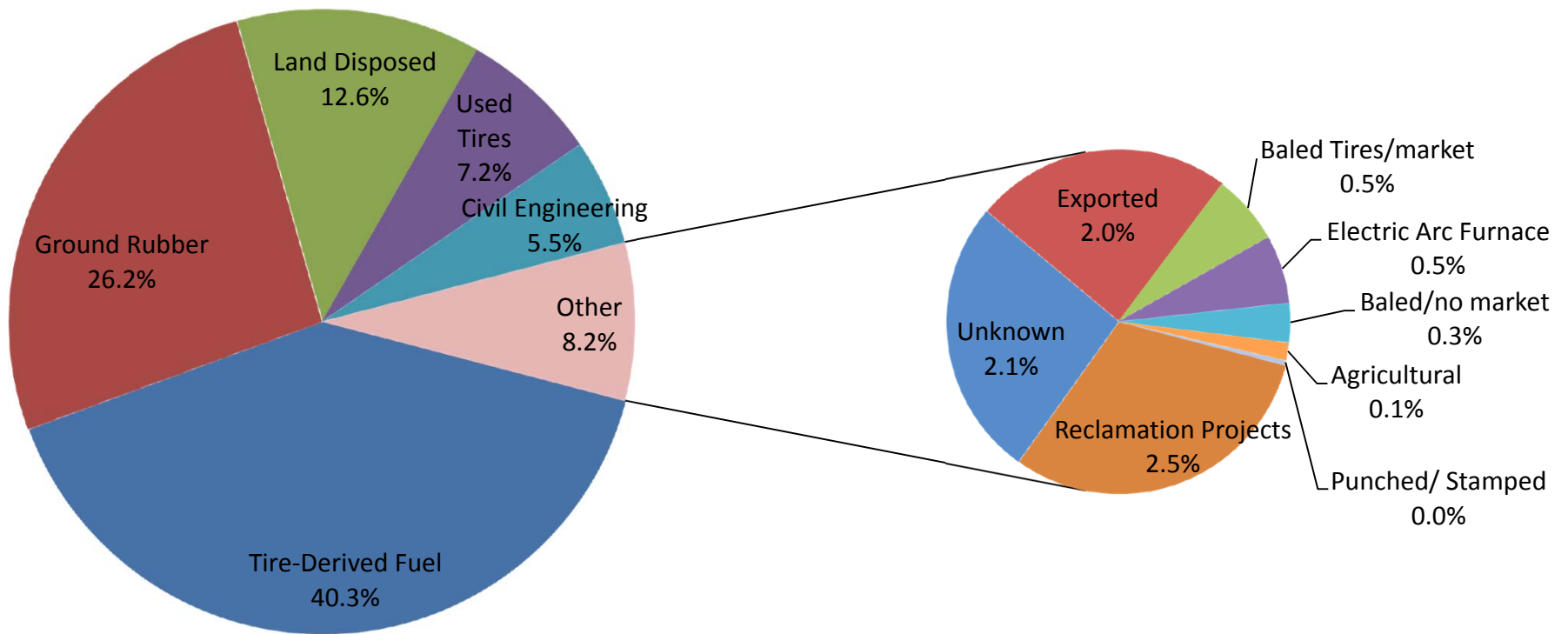
² Ward's Motor Vehicle Facts and Figures, 2010. Includes the number of vehicles removed from service in the car/light truck, truck and bus categories in 2009. Assumes four tires scrapped from light duty vehicles and five tires scrapped from trucks and buses.

U.S. Scrap Tire Management Trends 2005 - 2009



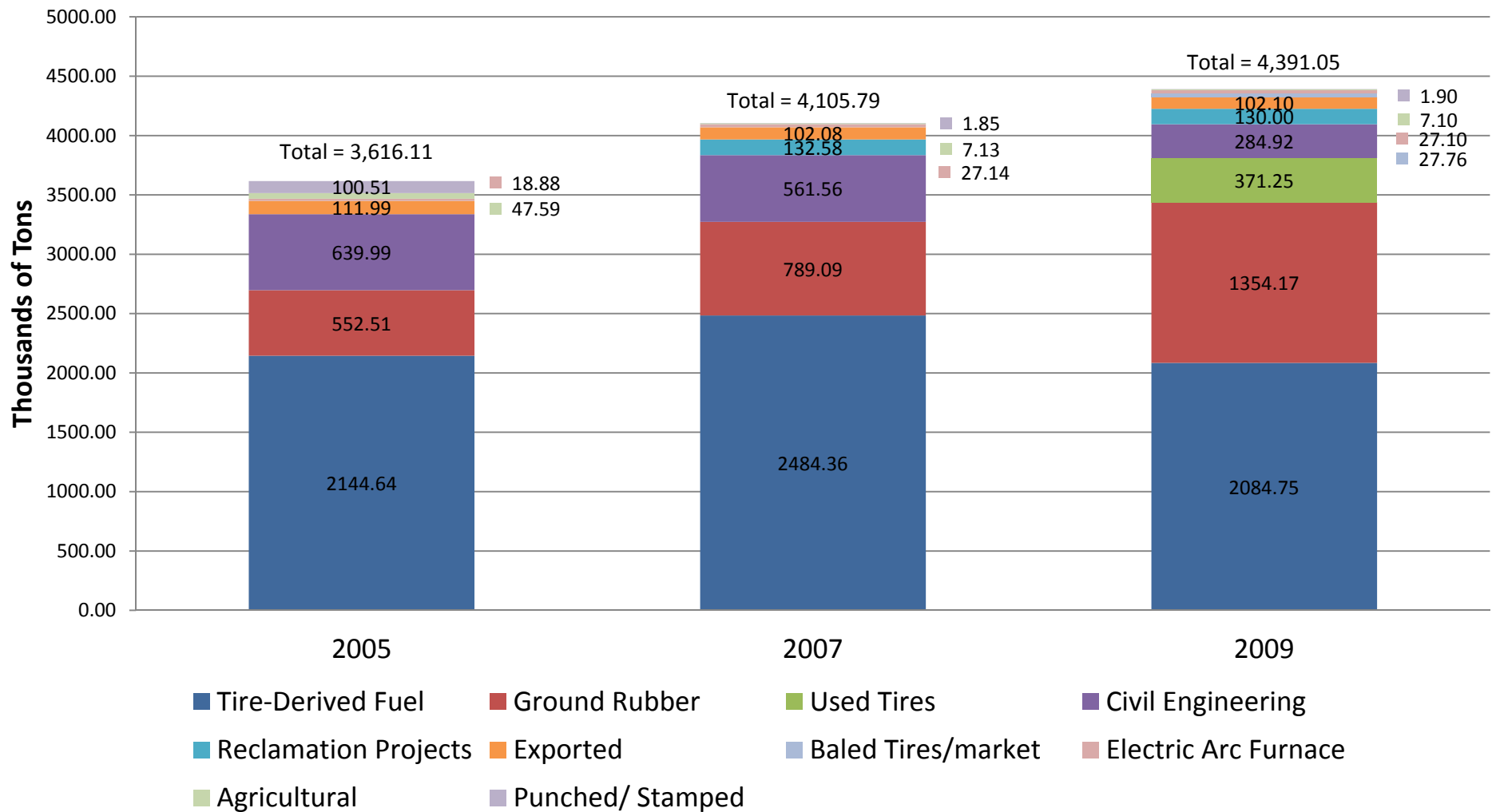
2009 U.S. Scrap Tire Disposition*

(percent of total tons generated annually)



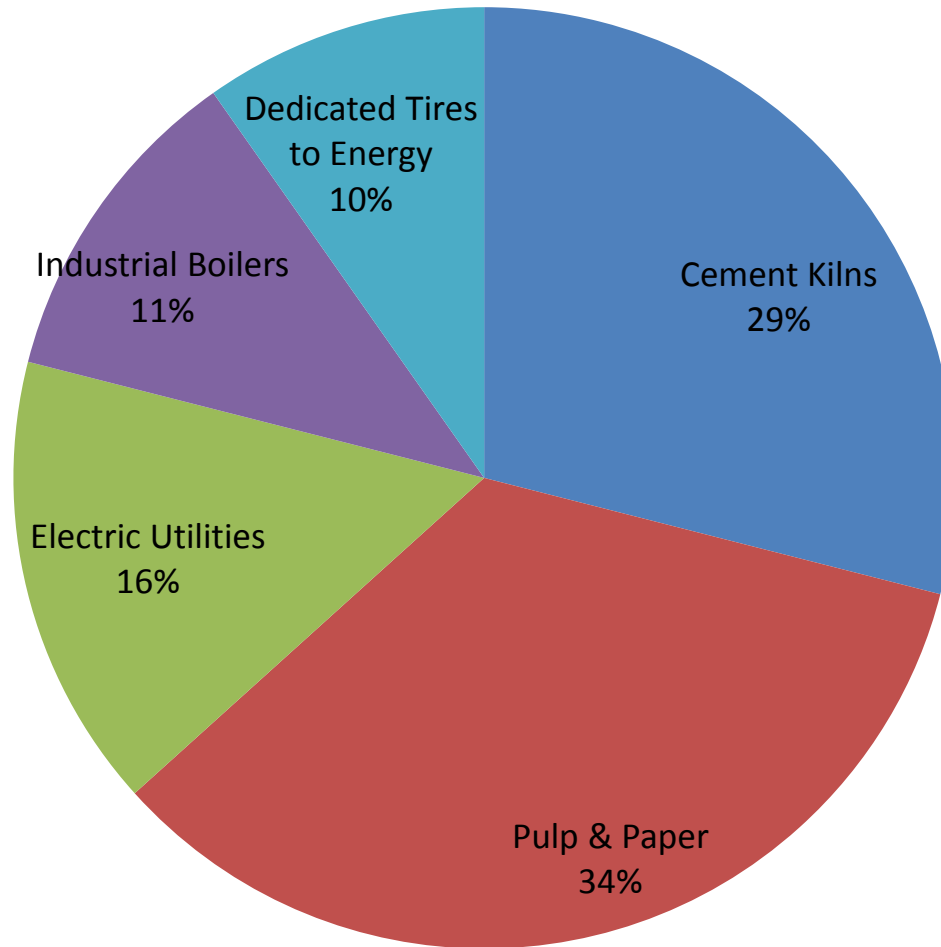
* Numbers may not add due to rounding.

U.S. Scrap Tire Market Trends 2005 – 2009



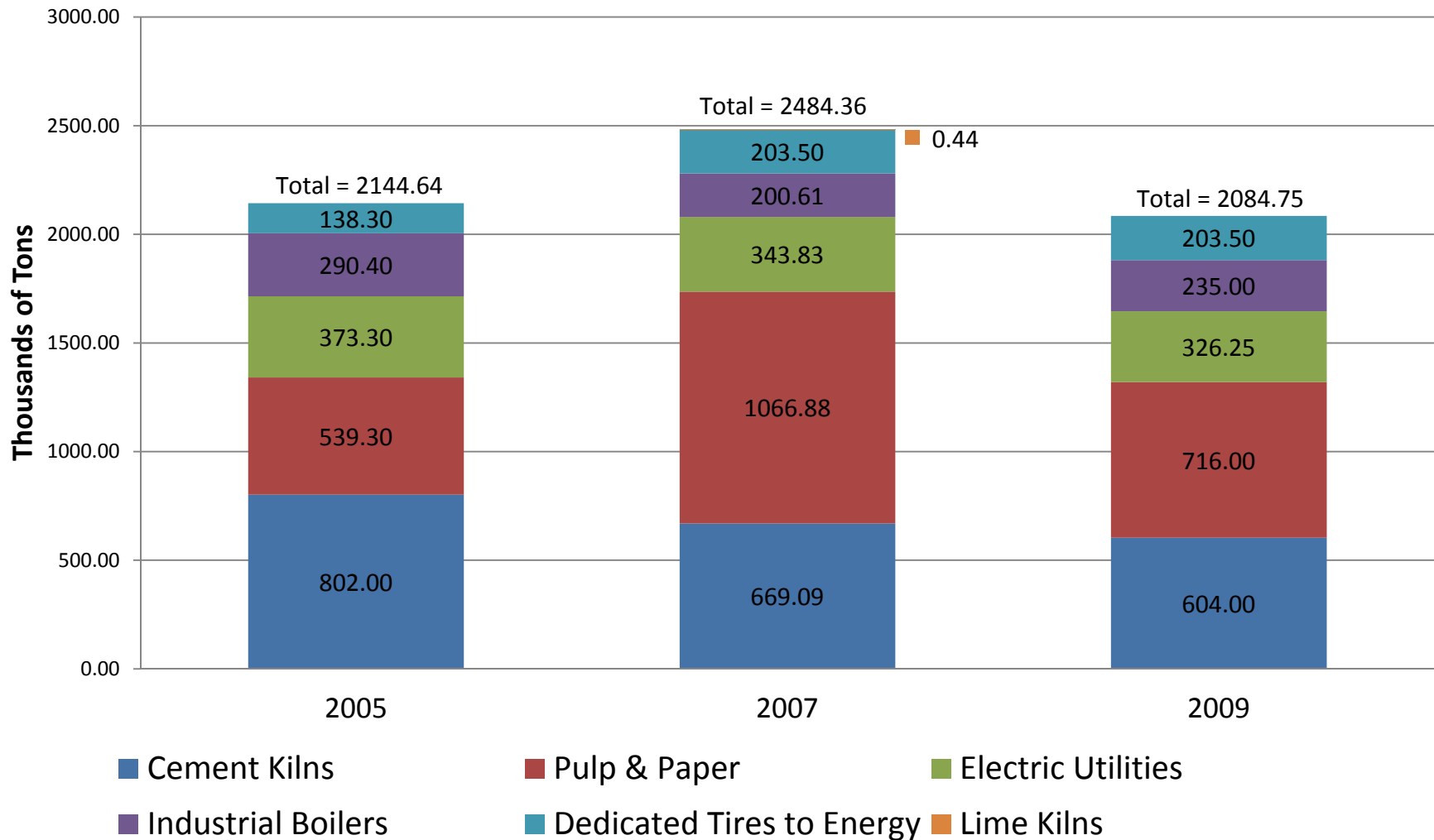
U.S. Tire-Derived Fuel Markets 2009

(percent of total tons of scrap tires diverted to TDF market)



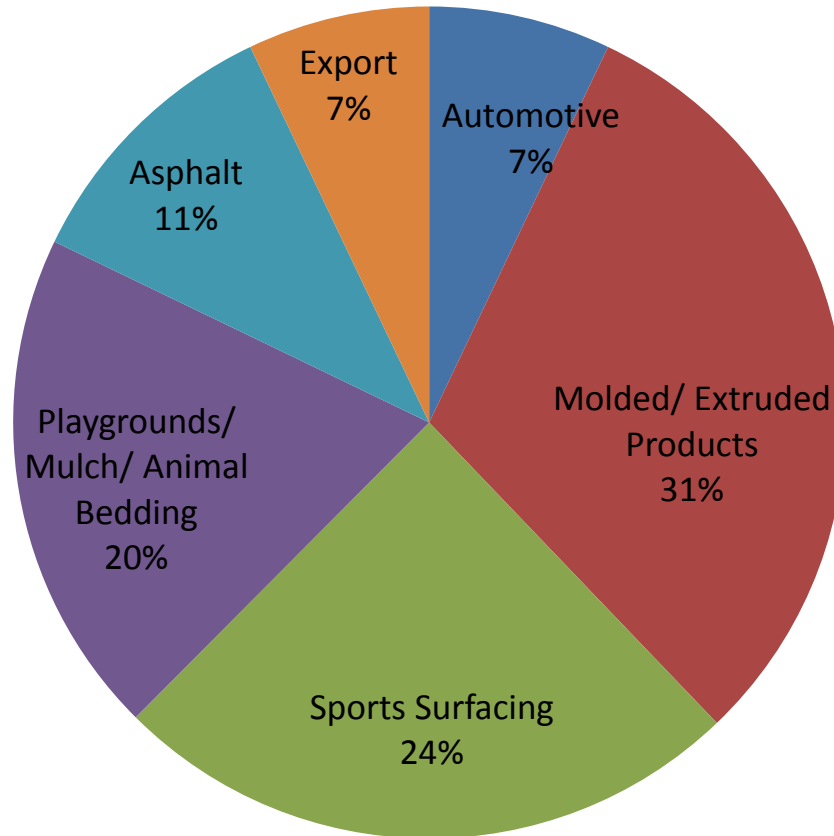
Total scrap tires
diverted to TDF market:
2,084,750 tons

U.S. Tire-Derived Fuel Trends 2005 - 2009



U.S. Ground Rubber Markets 2009¹

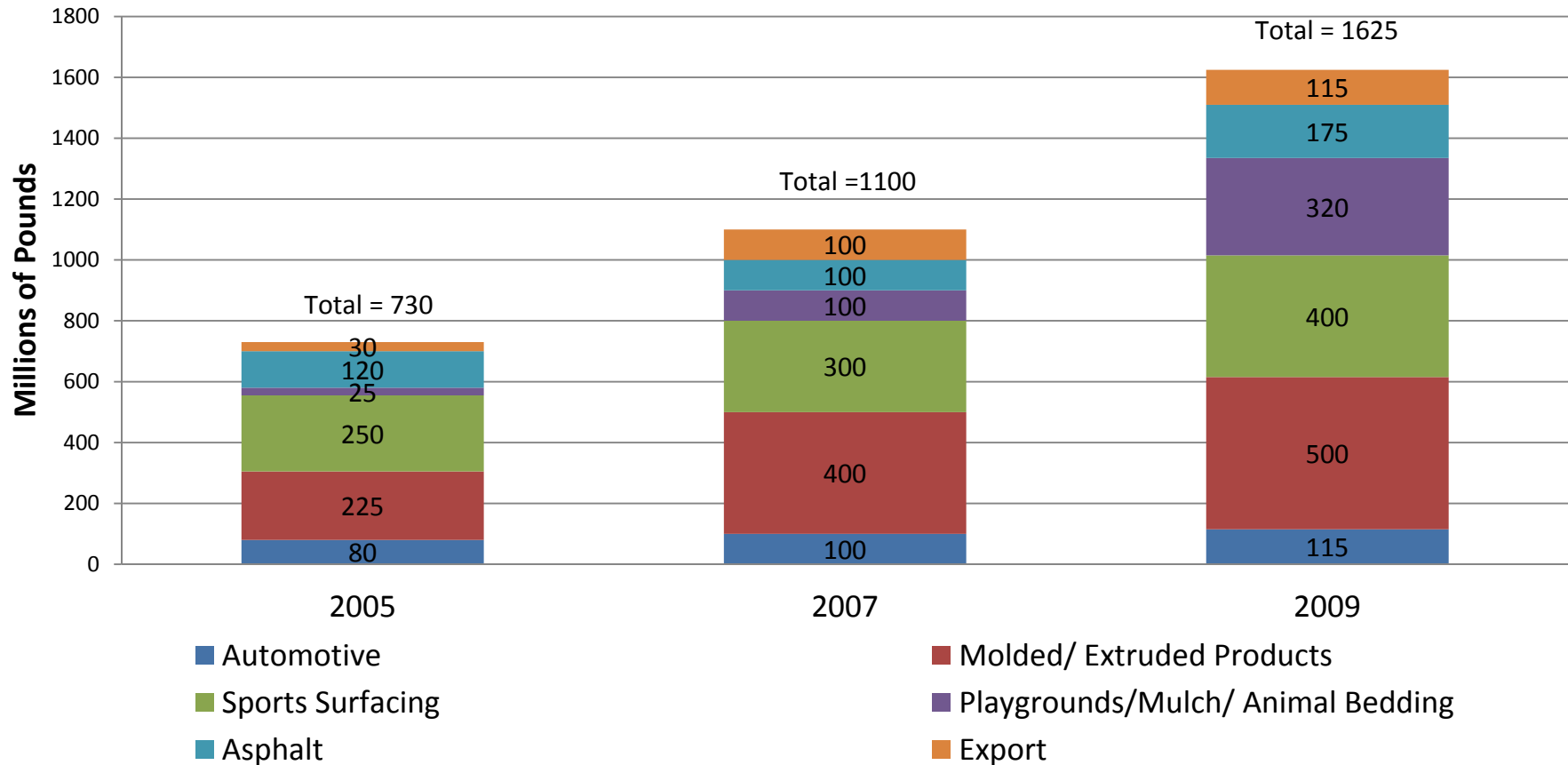
(percent of total pounds of ground rubber consumed in market)



Total tire rubber consumed in ground rubber markets:
about 1,625,000,000 pounds

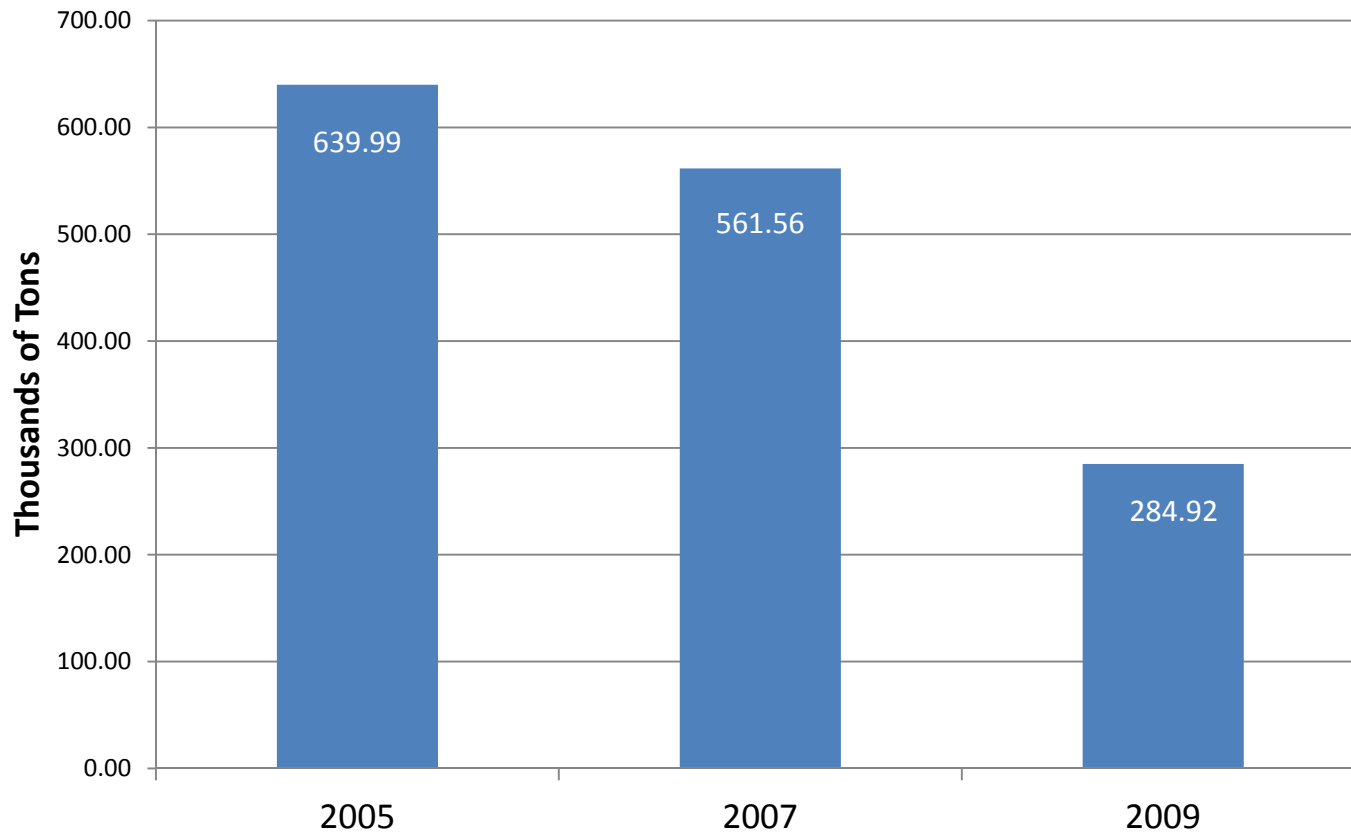
¹Ground rubber market distribution data are based on ground rubber consumed in end-use markets, not whole tires entering these market streams. The data represented in RMA U.S. scrap tire market summaries refer to the weight of whole tires diverted to all scrap tire markets, including ground rubber, whereas this chart refers to the weight of processed ground rubber, with wire, fluff and agglomerated rubber removed that is consumed in ground rubber end-use markets.

U.S. Ground Rubber Market Distribution 2005 - 2009¹

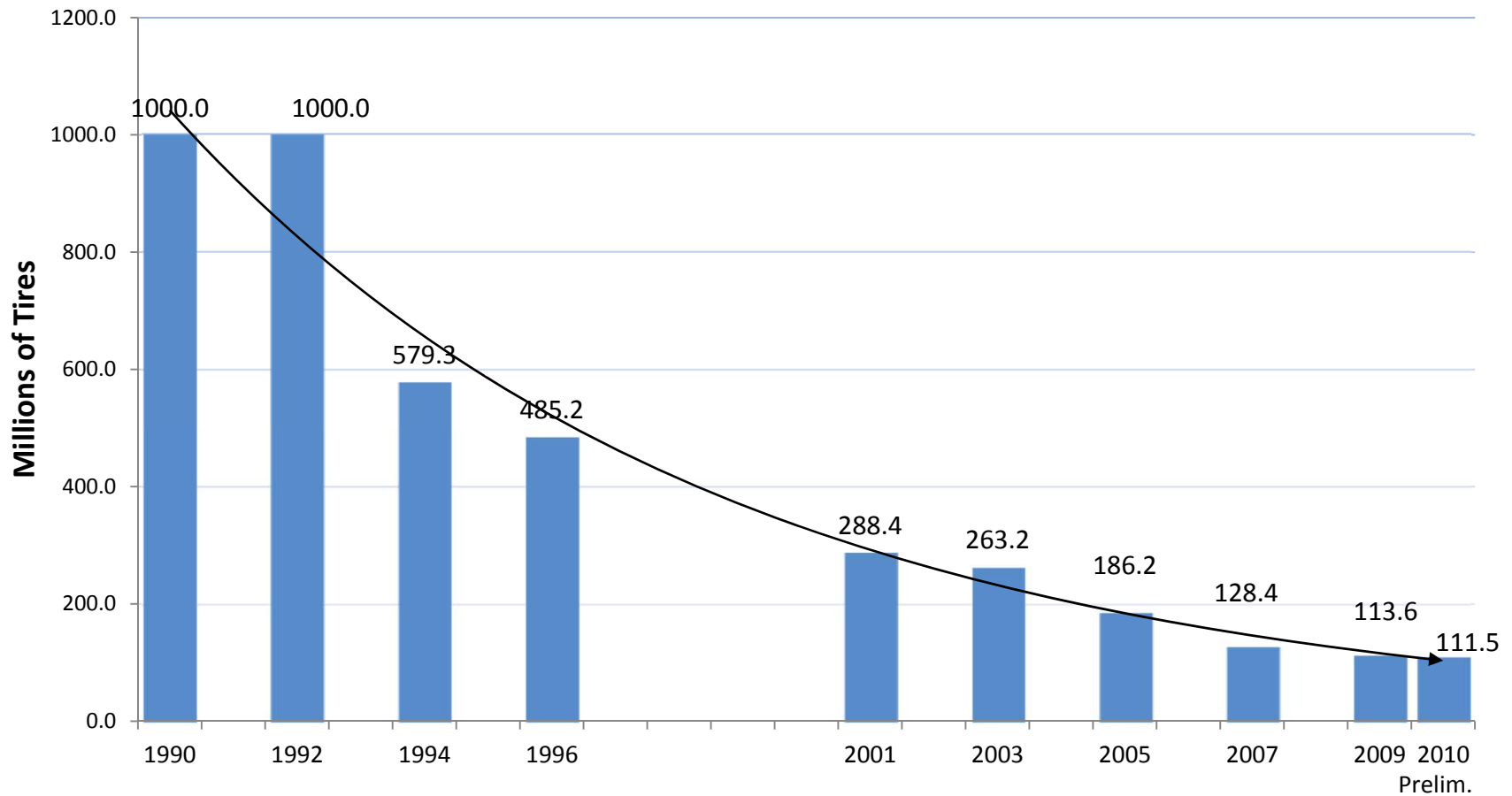


¹Ground rubber market distribution data are based on ground rubber consumed in end-use markets, not whole tires entering these market streams. The data represented in RMA U.S. scrap tire market summaries refer to the weight of whole tires diverted to all scrap tire markets, including ground rubber, whereas this chart refers to the weight of processed ground rubber, with wire, fluff and agglomerated rubber removed that is consumed in ground rubber end-use markets.

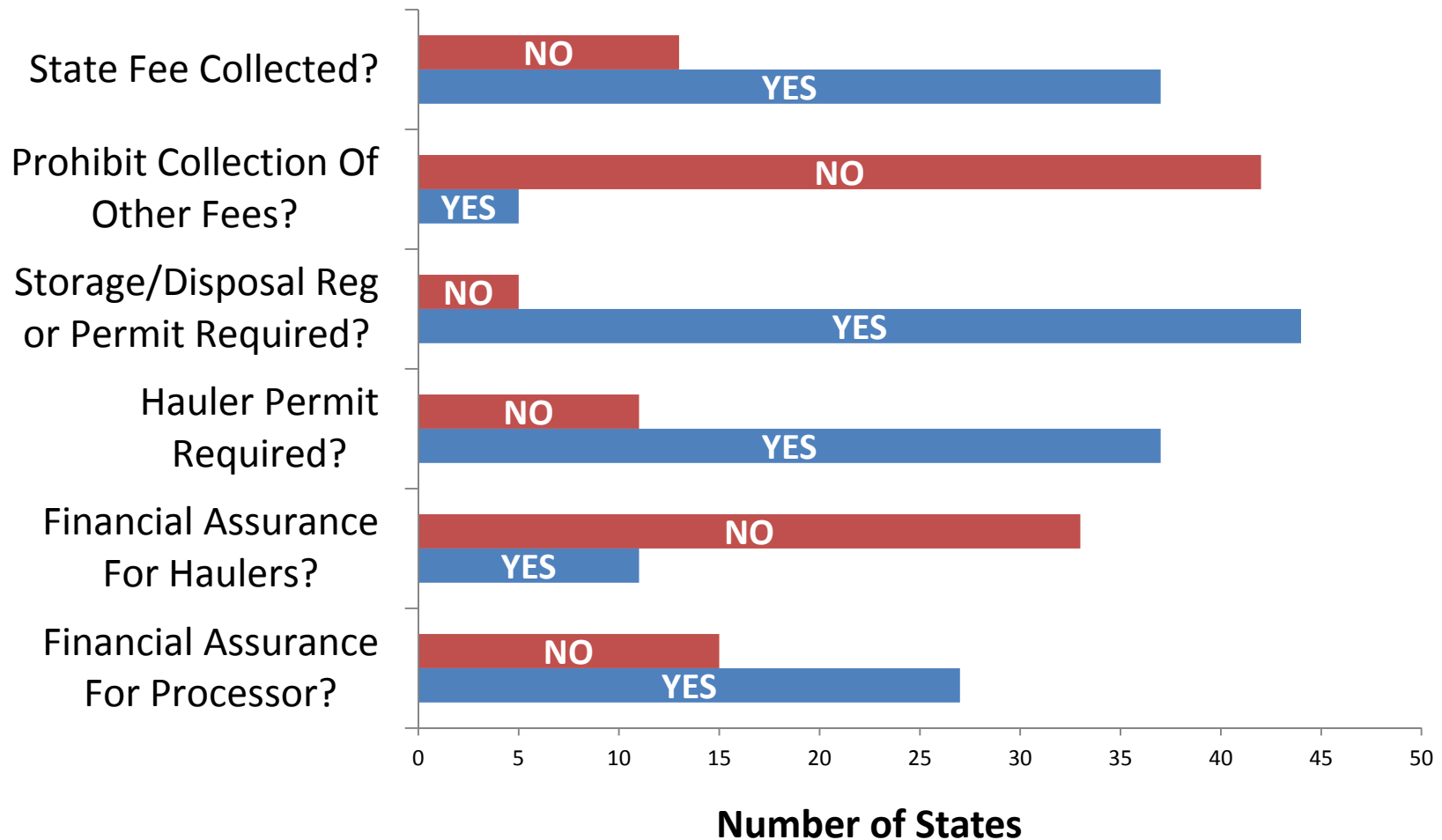
U.S. Civil Engineering Markets 2005 - 2009



U.S. Stockpiled Scrap Tires 1990 - 2010

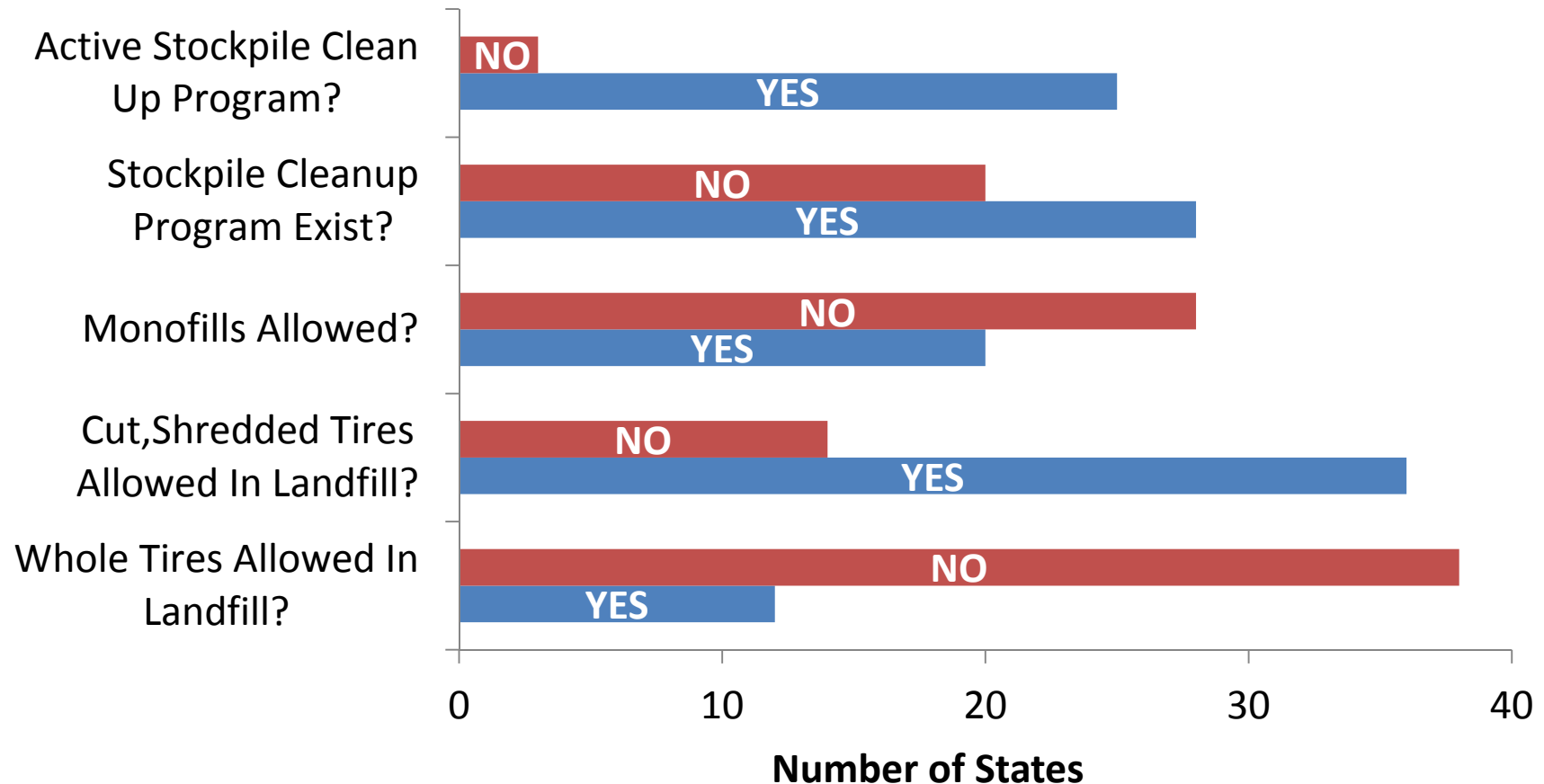


U.S. State Scrap Tire Program Features*



* Current as of 2011. Data not available for all 50 states.

U.S. State Land Disposal Regulations*



* Current as of 2011. Data not available for all 50 states.



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About the Rubber Manufacturers Association

RMA is the national trade association representing tire manufacturers that make tires in the United States. RMA's scrap tire management efforts are a reflection of the tire industry's commitment to the concept of shared responsibility for its products when not suitable for use on vehicles.

RMA began its scrap tire program in 1990 under the auspices of the Scrap Tire Management Council. RMA works with all stakeholders, including states, U.S. EPA and the industry to develop markets, reduce scrap tire stockpiles and implement state regulations that foster sustainable scrap tire markets. RMA supports all scrap tire markets that are environmentally sound and economically feasible.

