

Scrap Tire Issues in the California-Baja California Border Region

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California Scrap Tire Markets

Terry Leveille

President, TL & Associates

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Major Assumptions:

- CA Scrap Tire Disposal Rate:
1.1 tires per person per year, slightly higher than the national average.
- PTE (passenger tire equivalent) is 20 lbs., lower than RMA's estimation.
- Large truck tire is equal to 6 PTEs.
- One PTE = approximately 12 lbs. of crumb rubber.

California scrap tires generated in 1990 and 2005 (in PTEs):

- 1990: 27 million
- 2005: 40.8 million

% CA scrap tires diverted from landfills in 1990 and 2005:

- 1990: 34.1%
- 2005: 75%

2005 Used Tires (to be re-sold):

- 3.5 million PTEs total
 - 1.2 million PTEs domestically
 - 2.3 million PTEs exported

2005 Crumb Rubber:

- 5.2 million PTEs
 - 2.0 million PTEs in RAC
 - 3.2 million PTEs in rubber products

2005 “Other” Recycling:

- 3.2 million PTEs

--Includes roofing shingles,
huaraches, agricultural uses

2005 Civil Engineering (TDA):

- 2.0 million PTEs

- 2.0 million PTEs in landfill applications

- 0 in retaining wall, septic, landslide, vibration dampening projects

2005 Alternative Daily Cover (ADC):

- 4.7 million PTEs

2005 Retreading:

- 4.4 million PTEs
 - Mostly large truck tires

2005 Tire-Derived Fuel (TDF):

- 9.1 million PTEs

- 7.4 million PTEs in cement plants
 - 1.7 million PTEs in cogeneration facilities

2005 Imported:

- (1.5 million PTEs)

--Subtracted from other categories to arrive at California scrap tire diversion (from landfill) rate

1990 & 2005

Waste tire destinations in millions (PTEs):

YEAR	GEN	USED		CRUMB		OTHER	TDA
		USA	exp	RAC	rubber prods.		
1990	27	1	1.3	?	?	0.6	0
2005	40.8	1.2	2.3	2	3.2	3.2	2

YEAR	ADC	RETREAD	TDF		LANDFILL	DIV.	% diverted
			cogen facility	cement plant			
1990	0	2.3	0	4	17.8	9.2	34.1%
2005	4.7	4.4	1.7	7.4	10.2	30.6	75% 14

The End
