

Scrap Tire Advisory Group Meeting

Missouri's Scrap Tire Program Status

November 20, 2015

Dan Fester

History of Scrap Tire Law

- **1990 - SB 530 – Established Fifty Cent Fee on each tire sold, Whole Tires Banned from Landfills, Most of Fee went to Market Development Grants**
- **1995 - SB 60 & 112**
 - **65% of fee allocated to Cleanup of Existing Tire Piles**
 - **Processing Permits Required**
 - **Extends Fee Sunset to January 1, 2001**



History of Scrap Tire Law

(continued)

- **1999 - SB 426 - Extends sunset to January 1, 2004**
- **2002 - SB 1011 - Removes the word “used” from the law**
- **2004 - Fee expired**
- **2005 - SB225 - Reinstates fee with 1/1/10 sunset - changes “waste” to “scrap”**

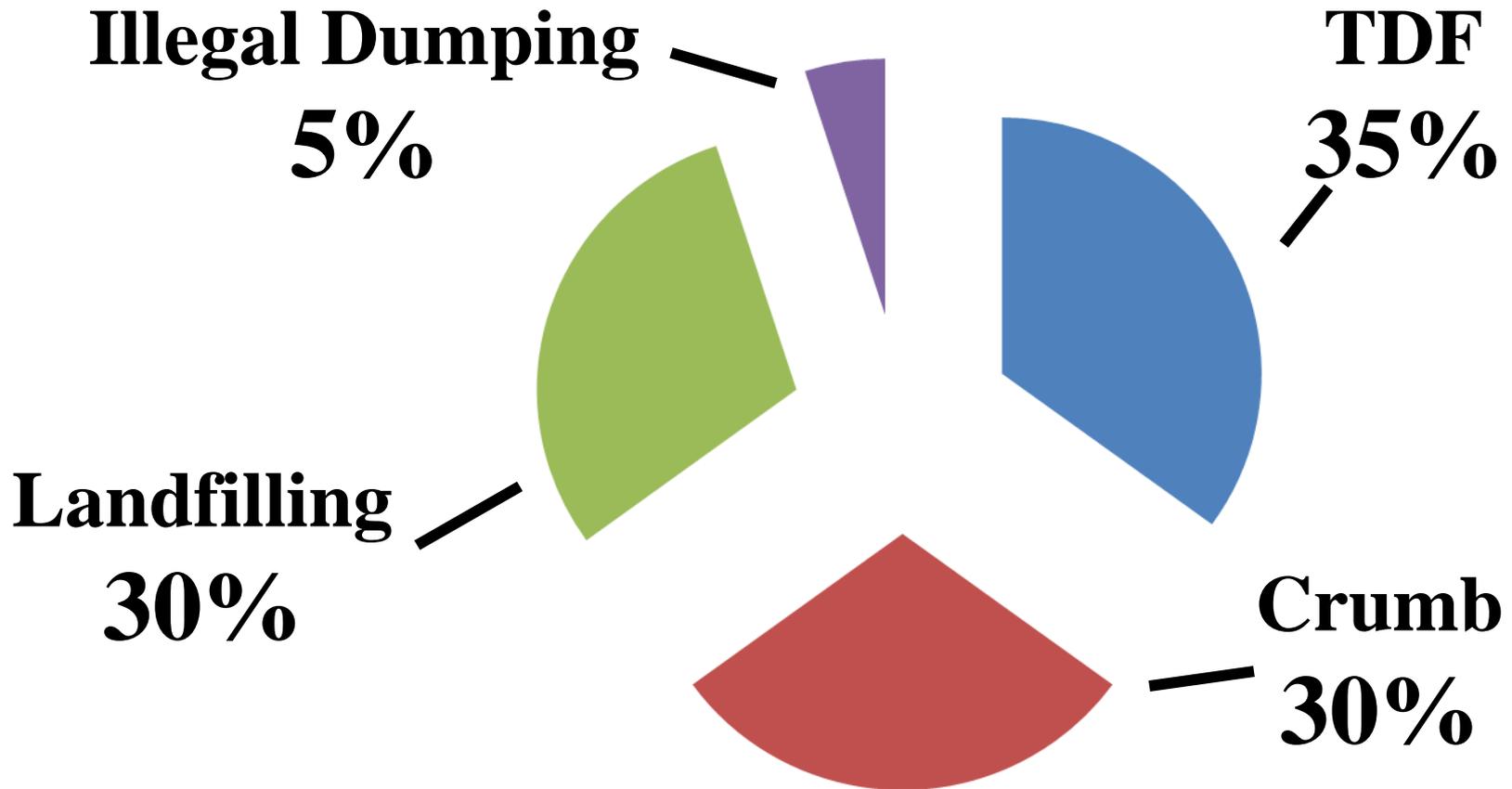


History of Scrap Tire Law

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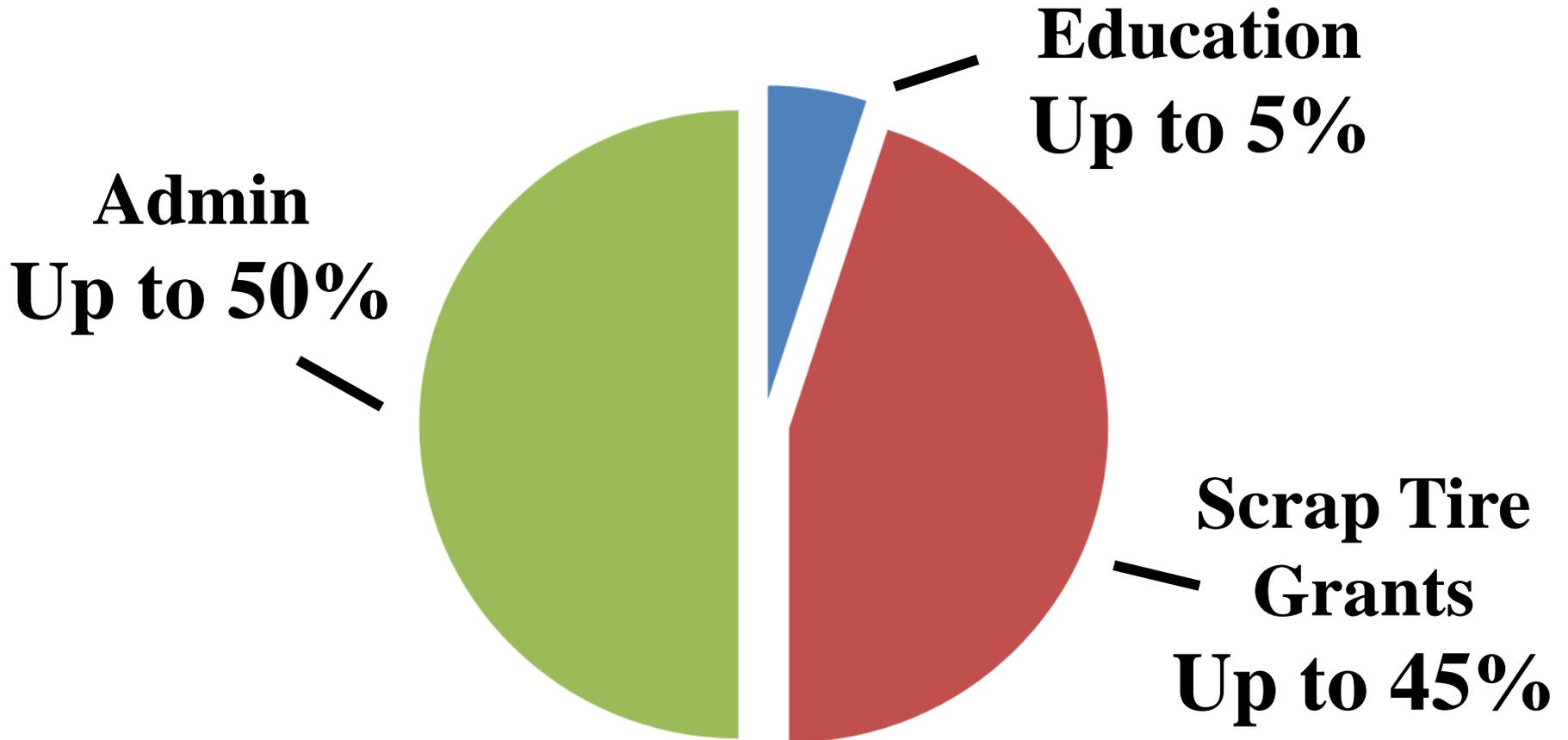
- **2009 – HB 661 - this bill reinstated the fee until January 1, 2015**
- **2014 - SB 642 and 664 - Signed by the Governor July 7th. Reinstates the fee with 1/1/20 sunset**

Where Do Missouri's 5 Million Scrap Tires Go?



Scrap Tire Fee

Annual Statutory Fee Distribution



TDF USAGE DECLINE

3.5 Million in 2005 to 1.54 million in 2014

MISSOURI TIRE DERIVED FUEL (TDF) USERS July 2014

Facility Name Location	Facility Type Primary Fuel	TDF Supplier Location	Number of Tires Used (in million pts)									
			2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Ameren UE Portage Des Sioux, MO	Powerplant Coal	Tire Shredders High Ridge, MO	0.495	0.314	0	0	0	0	0	0	0	0
KCP&L (formerly Aquila) Sibley, MO	Powerplant Coal	MVE (Corrections) ABC-Kansas City	0.95	0.745	0.547	0.332	0.5	0.69	0.509	0.444	0.322	0.199
University of Missouri Columbia, MO	Powerplant Coal	MVE (Corrections) Jefferson City, MO	0.382	0.402	0.315	0.319	0.324	0.298	0.031	0	0	0
Empire District Electric Asbury, MO	Powerplant Coal	ABC-Kansas City Liberty-IA	0.671	0.595	0.257	0.198	0.378	0.256	0.042	0	0.024	0.144
KCP&L (formerly Aquila) St. Joseph, MO	Powerplant Coal	Monster-St. Joseph Liberty-IA	0.39	0.375	0.512	0.307	0.304	0.312	0.47	0.585	0.505	0.224
Holcim (Holnam), Inc. Clarksville, MO	Cement Kiln Petroleum Coke	**	0	0	0	0	0	0	0	0	0	0
Buzzi Unicem USA (Lone Starr) Cape Girardeau, MO	Cement Kiln Coal	**	0.26	0.001	0	0	0	0	0	0	0	0
LaFarge Sugar Creek, MO	Cement Kiln Petroleum Coke	Liberty-IA	0	0	0	0	0.24	0.452	0.246	0.588	0.536	0.171
Annual Totals			3.15	2.43	1.63	1.16	1.75	2.01	1.30	1.62	1.39	0.74

* Reflects first 6 months of 2014

** Most of supply was from other states

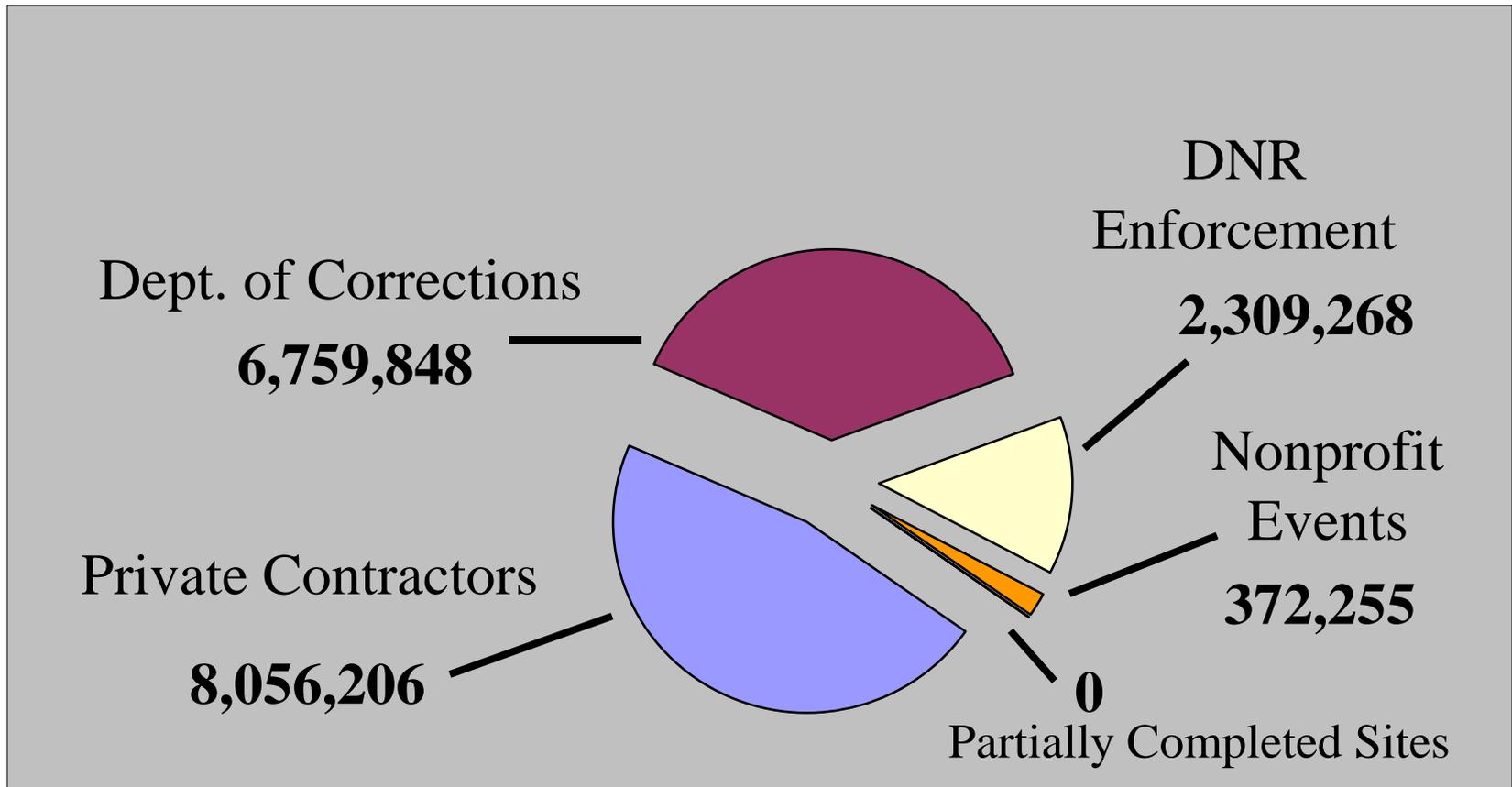
NOTE: Missouri generates approximately 6 million scrap tires per year

Current Statistics

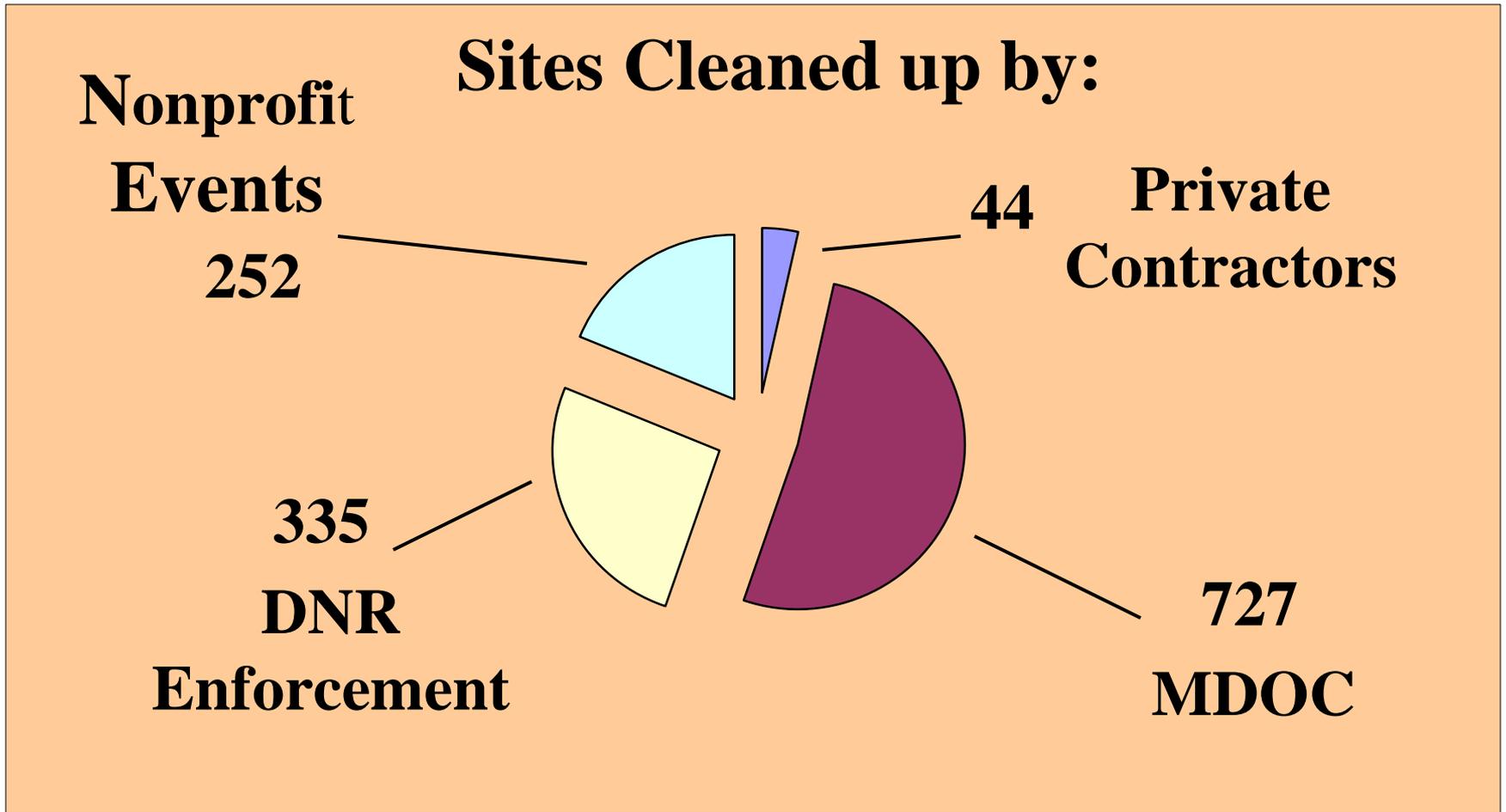
- **Tires Cleaned Up – 17,497,577**
- **1,358 sites cleaned up**
- **Known Tires Remaining – 142,764**
- **Estimated Unknown Tires – 1/2 million**

Scrap Tire Cleanup Status

Tires Removed by:
(17,497,577 Total Tires)



Scrap Tire Cleanup Status



Current Cleanup Strategy

Tire Dump Roundup

- Press Release issued November, 2006
- Free roundup cleanups began in December 2006
- MVE conducts cleanups
- 592 sites reported
- 543 sites cleaned up - 2,361,796 tires
- Maintain approx. 175,000 tires “balance”



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EXAMPLE





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BEFORE





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AFTER





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EXAMPLE





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Example



September 2015 Completed Roundup Cleanup Sites

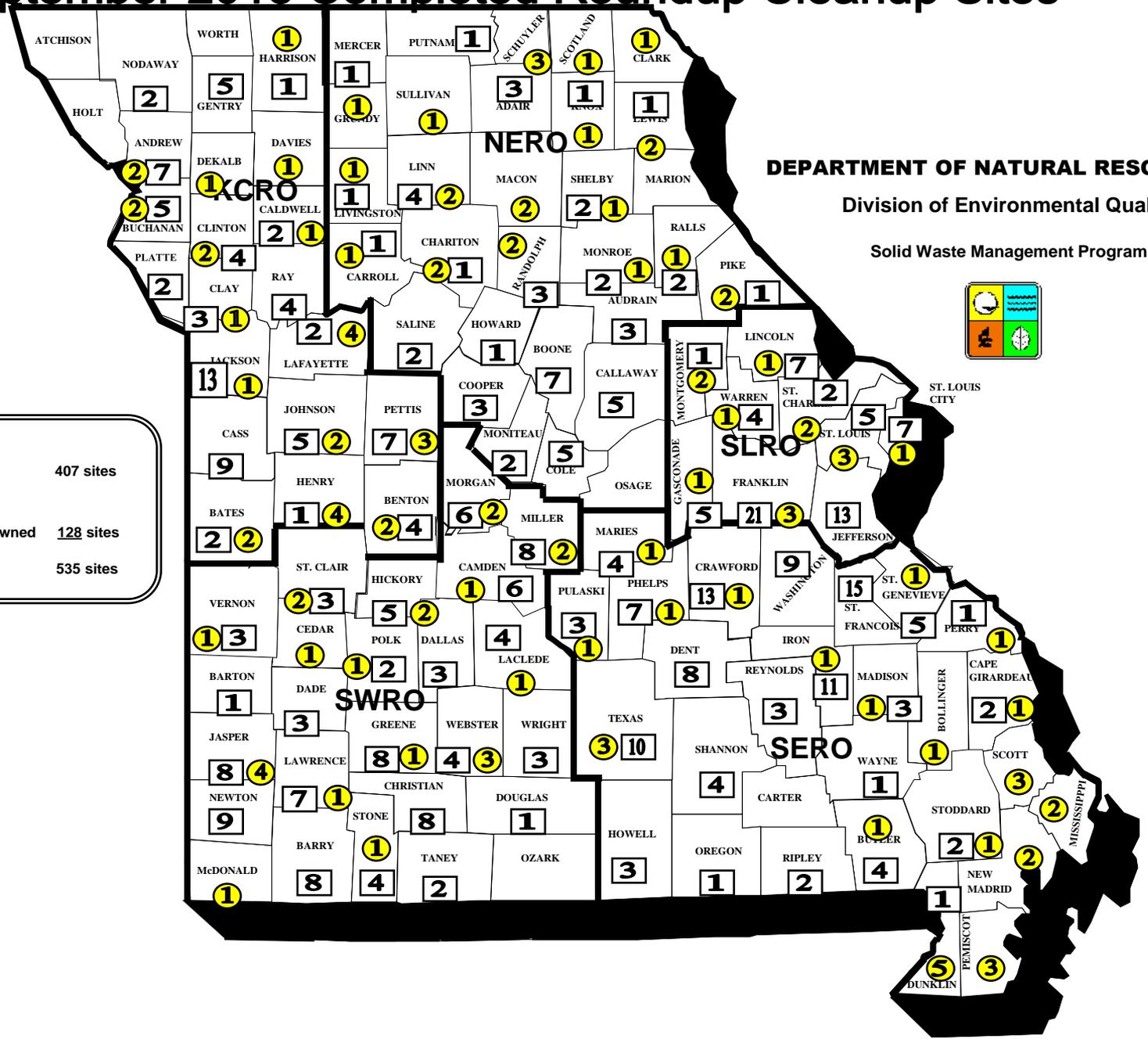
DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Solid Waste Management Program



#	Citizen owned	407 sites
#	City/County/SWMD owned	128 sites
	Total	535 sites





Current Cleanup Strategy

Non-Profit Cleanups

- West Nile Virus heightened interest in '02
- Statute allows for nonprofit groups to clean up tires and be reimbursed by the fund
- SWMP encourages participation
- 252 Events – 372,255 tires



Other Current Cleanup Strategies

- “20,000 Strategy”
- Enforcement Strategy



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Grants Statistics

Since 1990

- 425 projects awarded to date (FY2014)
- Used 9,912 tons tires
- Reimbursed \$3,776,674

FY2013 Non-playground, pour-in-place



Drexel R-IV School District
Cass County/KCRO

FY2014 Non-playground, molded products



St. Charles County Juvenile Detention Bldg.
St. Charles County/SLRO

FY2013 Playground, pour-in-place



City of Perryville City Park
Perry County/SERO



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◆ **QUESTIONS?**

Dan Fester

Chief

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