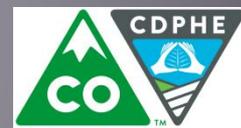


Update on Colorado's Waste Tire Program

Joe Schieffelin

Solid Waste and Materials Management Program Manager
Hazardous Materials & Waste Management Division



COLORADO
Department of Public
Health & Environment

Waste Tire Program Responsibilities

- Statutory/regulation changes – mostly since 2010
- Regulatory authority over waste tires
 - Generation to disposal/re-use
- Waste tire fee - \$1.50/new tire sold
 - ~\$7.2 million/year

- CDPHE program costs
 - Illegal Waste Tire Cleanups
 - Inspection grants to Counties
 - End User Fund rebate program - 65% (~\$4.7 million)
 - Market Development Fund - 5% (~\$0.4 million)
- 30% (~\$2.2 million)



The Market Development Team

- Brian Gaboriau – Project Manager for CDPHE
- Tetra Tech team -
 - Mary Sikora – Recycling Research Institute
 - Terry Gray – T.A.G. Resource Recovery
 - Bob Farnes and Karmen Griffith – project managers
- Funding for this Conference provided by the Waste Tire Market Development Fund.



Market Development Highlights: past year

- Market development conference, our third year!
- Trainings – Colorado Dept. of Transportation, Solid Waste Association of North America, Regional Transit District.
 - Civil engineering applications
- Technical assistance - outreach and discussion with 33 entities in 2015.
 - Phone conversations
 - Site visits
 - Trainings
 - Meetings
 - Document reviews



How is Colorado doing?*

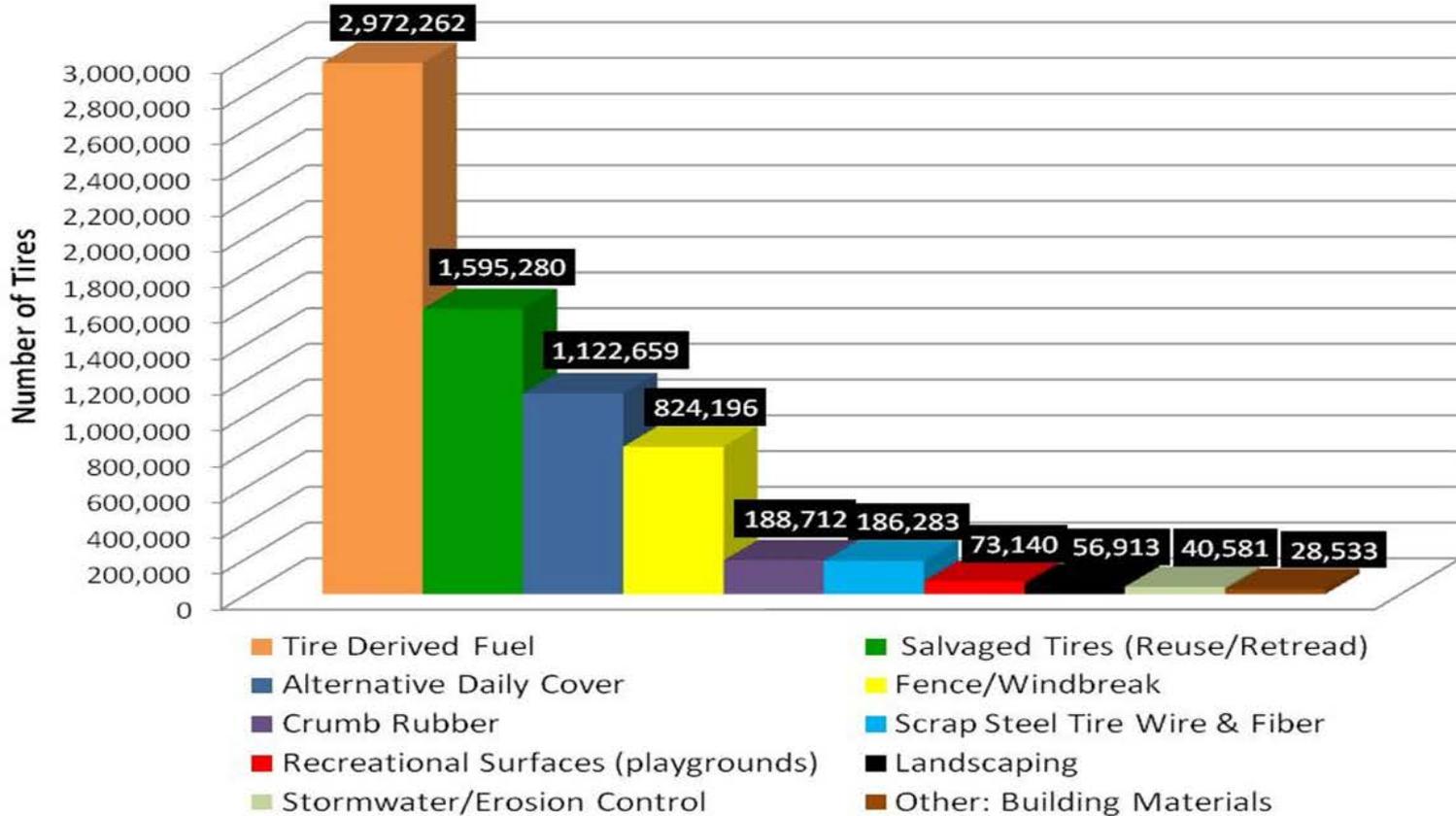
- Recycling rate increase from 93% for 2014 to 104% for 2015.
- Overall state waste tire inventory dropped by 400,000+ tires in 2015.
- Biggest recycling/end-uses:
 1. Tire-derived fuel = 42% of all waste tires end used in the state in 2015.
 2. Salvaging/reuse of waste tires = 23%,
 3. Alternative daily cover = 16%.

*Statistics based on 2015 Waste Tire Annual Report. Final report to be published on July 1, 2016.
Numbers subject to change.

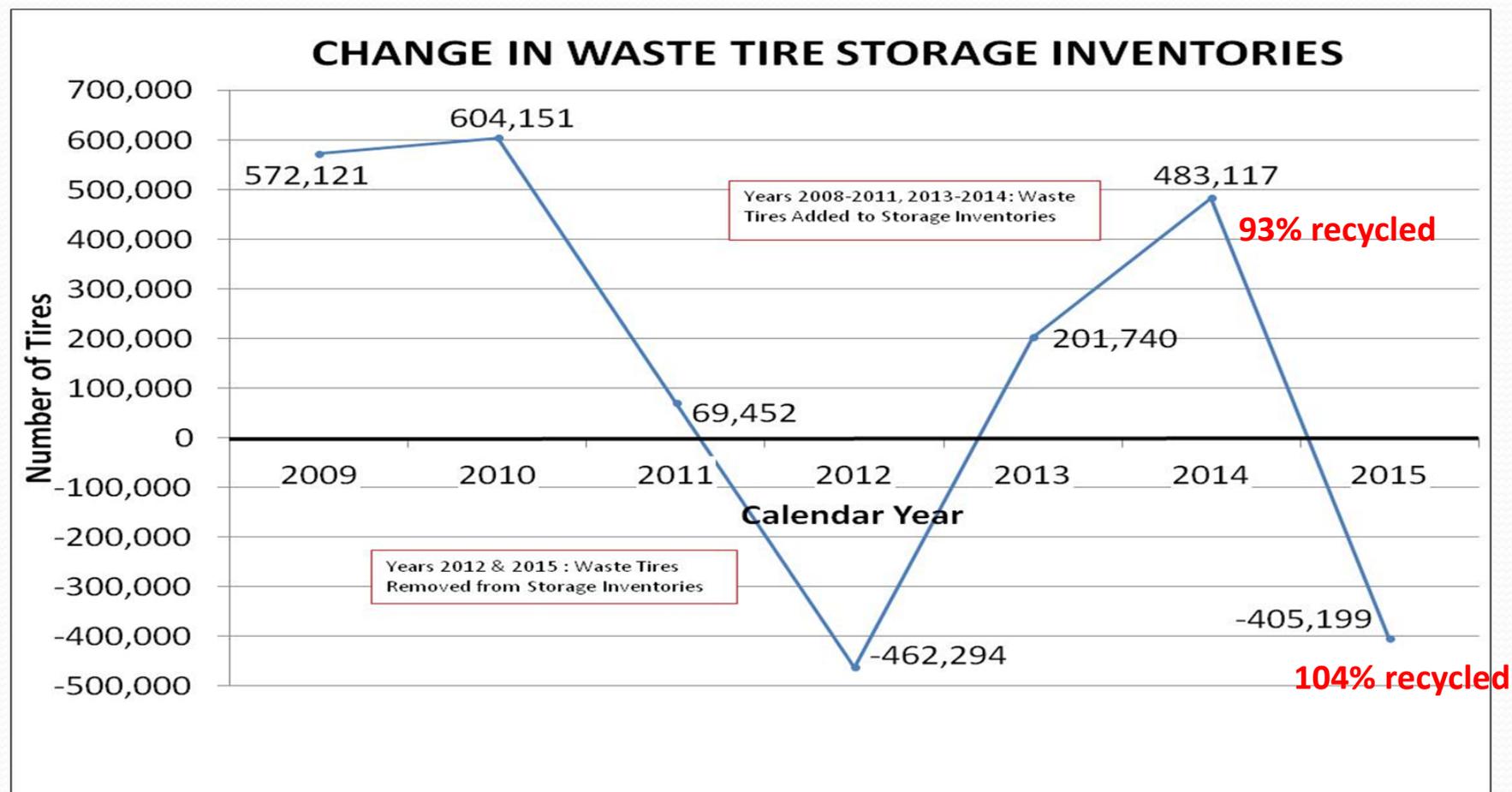


Waste tire end uses in 2015

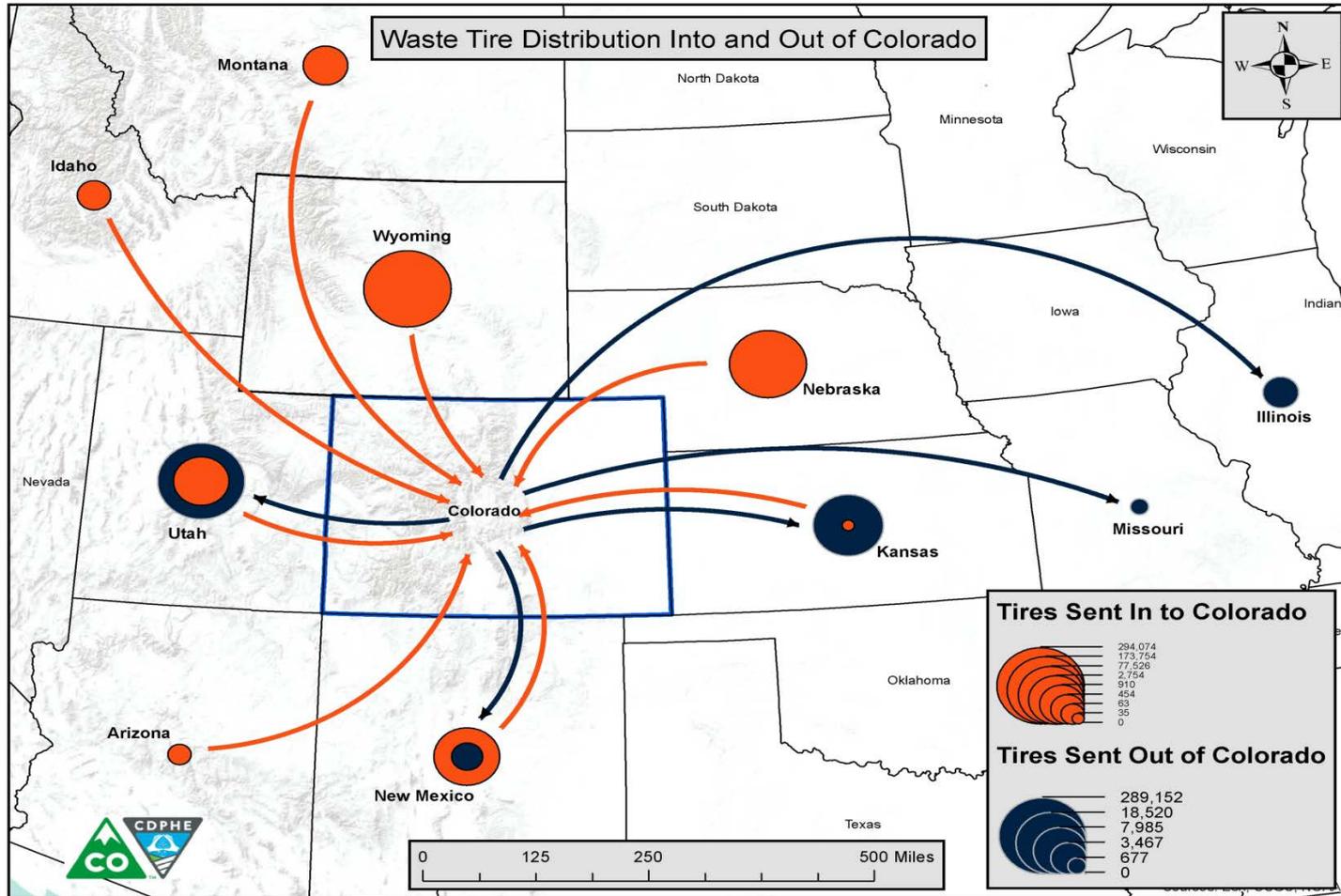
2015 TOP 10 RECYCLED WASTE TIRE DIRECT USE AND END USE



Waste tire inventories drop in 2015



Waste tires in and out of Colorado



Net = +80,000 waste tires



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Market Development:

Regional Regulator Partnerships

- Mountain Region Regulator Conference Calls (quarterly)
- Regulators Meeting – June 21, 2016
- States participating: Colorado, Arkansas, Kansas, Nebraska, Illinois, New Mexico, North Dakota, South Dakota, Oklahoma, Wyoming, Utah, Texas and Michigan.



End Users Fund Update

- Provides rebates for the processing, retail sale, and end use of tire-derived products.
- For calendar year 2015, \$1,688,907 was rebated for a total of 42,223 approved tons of tire-derived product.
- In 2015, **five new applicants** participated in the rebate program with a total end use of 697 tons of tire-derived products.

(market development at work)



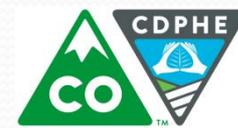
What are challenges moving forward?

- Repeal of the Waste Tire End Users Fund and Market Development Fund in January 2018 (maybe)
 - Subsidies are going away (maybe)
- Diversification of end use markets
 - Top heavy now for 3 uses
- Replacing lower end uses of waste tires with higher end uses (molded products, asphalt, etc.)
 - Companies presenting at conference



What's next

- Additional training classes on the use of tire-derived products for civil engineering projects
 - For local governments, other state agencies, etc.
- Continue working with new or existing companies who want to expand or open waste tire facilities in Colorado
 - Technical Assistance – talk with us and/or Tetra Tech
- Research & Development Grants (Fiscal Year 2017)
 - Brian will speak about later this morning
- Fourth annual Waste Tire Market Development Conference in June 2017.



Thank you!

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