CDPHE WASTE TIRE PROGRAM
KEEPS ROLLING
Presentation Outline

- Waste Tire Issues
- Waste Tire Statistics / Usage in Colorado
- Senate Bill 19-198 & Proposed Regulations
- Waste Tire Program - Responsibilities & Team
- Waste Tire Inspection Grants
- Illegal Waste Tire Grants
- Recent Cleanups
Mosquito-borne viruses in waste tires
Tire Fires
Percent of newly generated waste tires recycled and salvaged

Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Recycled</th>
<th>Salvaged (Reuse/Retread)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>81%</td>
<td>13%</td>
</tr>
<tr>
<td>2012</td>
<td>90%</td>
<td>10%</td>
</tr>
<tr>
<td>2013</td>
<td>75%</td>
<td>17%</td>
</tr>
<tr>
<td>2014</td>
<td>74%</td>
<td>19%</td>
</tr>
<tr>
<td>2015</td>
<td>81%</td>
<td>23%</td>
</tr>
<tr>
<td>2016</td>
<td>138%</td>
<td>21%</td>
</tr>
<tr>
<td>2017</td>
<td>121%</td>
<td>19%</td>
</tr>
<tr>
<td>2018</td>
<td>64%</td>
<td>17%</td>
</tr>
</tbody>
</table>
Top End Use - Tire Derived Fuel
Top End Use - Alternate Daily Cover
Top End Use - Salvage/Reuse
Top End Use - Fence/Windbreak
Senate Bill 19-198 - Concerning the Continued Management of Waste Tires

• Definitions
• Waste tire fee increase beginning Jan 1, 2020
  • Solid & Hazardous Waste Commission can set up to $2 per new motor vehicle and trailer tire
• Market Development returns
• Reestablish the End Users Fund
  • Fund existed until 12/31/17
  • Rebate - based on 3 tiers
  • July 1, 2026 repeal date
• Requirements for a Waste Tire Monofill seeking a waiver
Waste Tire Proposed Regulations Sections 1.2, 1.7.6 & 10

- Definitions (Sect 1.2)
- Waste Tire Fee increase (Sec 1.7.6) to $1.25
  - Effective Jan 1, 2020
  - $.50 to Waste Tire Administration, Enforcement, Market Development and Cleanup Fund
  - $.75 to End Users Fund
- Waste Tire Monofill waiver
- Annual Report due date change
  - March 1st
- Modifies documentation requirements for persons selling new replacement motor vehicle and trailer tires

- Establishes rules and procedures for the re-established End Users Fund
  - End Use Tiering & Waste Tire Hauler rebate
    - Tier 1: $50 per ton
      - Tire-derived fuel, crumb rubber
    - Tier 2: $25 per ton
      - Rubber mulch, molded products
    - Tier 3 & WTH rebate: $12.50 per ton
      - Alternate daily cover, tire-derived aggregate, tire bales
- Establishes rules for the safe and responsible usage of waste tire bales by End Users and/or landowners
Waste Tire Program Responsibilities

- Established 2010 - statute and regulatory changes over the years
- Regulatory authority over waste tires
  - Generation to disposal/re-use/recycling
  - Regulatory authorities (registration, compliance assistance, inspections, enforcement)
- Waste Tire Fee (on sale of new replacement tires)
- Outreach/Training
- Regulation Development
- Grants/Funds
  - Illegal Waste Tire Cleanups
  - Inspection Grants to Counties
  - End Users Fund (2020)
  - Market Development (2020)
Waste Tire Team

• Shana Baker, Waste Tires Work Leader
• Anna Maylett, Waste Tires Specialist
• Brian Gaboriau, Waste Tires Grants Administrator
• Cindy Smith, Waste Tires Specialist
• Lisa Jeffrey, Waste Tire Fee Analyst
## Waste Tire Inspection Grant Program

### Who is participating today:

<table>
<thead>
<tr>
<th>Name of agency</th>
<th>Jurisdiction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pueblo Dept of Public Health and Enviro</td>
<td>Pueblo County</td>
</tr>
<tr>
<td>Delta County Public Health</td>
<td>Delta, Montrose, Gunnison, Ouray, and San Miguel Counties</td>
</tr>
<tr>
<td>El Paso County Public Health</td>
<td>El Paso County</td>
</tr>
<tr>
<td>Tri-County Health Department</td>
<td>Adams, Arapahoe, and Douglas Counties</td>
</tr>
<tr>
<td>Jefferson County Public Health</td>
<td>Jefferson and Gilpin Counties</td>
</tr>
<tr>
<td>Garfield County Public Health</td>
<td>Garfield County</td>
</tr>
<tr>
<td>Las Animas-Huerfano Counties District Health Department</td>
<td>Las Animas, Huerfano, and Custer Counties</td>
</tr>
<tr>
<td>Montezuma County Public Health</td>
<td>Montezuma County</td>
</tr>
<tr>
<td>Otero County Health Department</td>
<td>Otero County and Crowley Counties</td>
</tr>
<tr>
<td>Larimer County Dept of Health and Enviro</td>
<td>Larimer County</td>
</tr>
<tr>
<td>Chaffee County Public Health</td>
<td>Chaffee County</td>
</tr>
<tr>
<td>San Juan Basin Public Health</td>
<td>Archuleta, La Plata, and San Juan Counties</td>
</tr>
<tr>
<td>Weld County Dept of Public Health and Enviro</td>
<td>Weld County</td>
</tr>
<tr>
<td>Elbert County Public Health</td>
<td>Elbert County</td>
</tr>
<tr>
<td>Alamosa County Public Health (limited)</td>
<td>Alamosa, Costilla, Conejos, Rio Grande, and Saguache Counties</td>
</tr>
<tr>
<td>Silver Thread Public Health (limited)</td>
<td>Hinsdale and Mineral Counties</td>
</tr>
</tbody>
</table>
Waste Tire Collection Event Grants

- Funds for the collection/hauling of waste tires for residential cleanup days.
  - Counties/municipalities
- Since 2015, 20,017 waste tires collected
  - 25 events
  - $70,053 total cost
Colorado Illegal Waste Tire Cleanup Grants

- Funding for the cleanup of illegal or abandoned waste tire sites.
- Since 2011, over 1,118,664 passenger tire equivalent illegal waste tires have been cleaned up.
  - 62 cleanups
  - $3,287,769 total cost
- Hit 1 million total illegal waste tires cleaned up in 2018 for the Waste Tire Program.
  - In 2018 we removed over 220,000 illegal waste tires.
  - 1 cleanup in Adams County was almost 150,000 illegal waste tires alone!
- Currently, 76 potential illegal waste tire sites on state abatement list.
  - ~300,000 illegal waste tires
    - 95% 100-5,000 illegal waste tires
    - 23 cleanups completed/scheduled for this year
Leadville Illegal Waste Tire Site
Challenges During Contract Process

- Landowners
- Access Agreement Letters
- Access road
Property #1 Tire Pile
Post Cleanup - Property #1
Post Cleanup - Property #2
Property #3 Tire Pile
Final Results

- Work completed on November 8th, 2018.
- 397.91 tons or 35,370 passenger waste tires removed from the three properties.
- Final cleanup cost 3 properties: $126,373
- Average $3.57 per passenger tire removed.
- County and landowners very happy with results.
Thank You!

Shana Baker, MAS, REHS
Waste Tires Work Leader
303-692-3305
shana.baker@state.co.us
www.colorado.gov/cdphe/wastetires