

**Current Usage and Capacity of Existing  
and Potential Scrap Tire End-Users  
2017**

REUSE/RETREAD	WDS	REPORTED USE		NOTES
		TONS	PTE	
Alma Tire (retread) 1210 E Superior St Alma, MI	409073	1,228	109,330	
Belle Tire (retread) 1000 Enterprise Dr Allen Park, MI	483634	4,076	362,755	
Belleroc (Tredroc) Tire 2505 Thornwood St SW Wyoming, MI	470773	2,140	190,460	
Dependable Tire (retread) 12300 Stephens Rd Warren, MI	418950			Did not report
Empire Iron Mine Marquette, MI mining tire wind barriers	Empire Iron Mining Partnership (Marquette) & Tilden Mining Co. (Tilden)	0	0	
Ginman Tire (retread/used) 665 W Clay Ave Muskegon, MI	497295			Did not report
Great Lakes Tire & Treading 30003 Van Born Rd Romulus, MI	494266	3,216	16,081	
Jerry's Tire (retread) 2085 W Hill Rd Flint, MI	470691	1,240	110,330	
Leslie Tire (retread) 144 NB Gratiot Ave Mt. Clemens, MI	470951			Did not report
Meekhof Tire (retread) 1640 Olson St NE Grand Rapids, MI	444349	3,080	274,080	
Olson Tire (retread) 704 E Pickard Mt. Pleasant, MI	471242	712	63,410	
Schrader Tire & Oil (retread) 25445 Outer Dr Melvindale, MI	398265	154	771	
Union Tire (retread) 308 Jackson Plaza Ann Arbor, MI	478987	0	0	No longer retreading
Wingfoot (Goodyear) 147 Morgan Dr Howell, MI	443291			Did not report
Wonderland Tire (retread) 1233 Cutting Industrial Moline, MI	436529	1,976	175,885	
<b>TOTAL</b>		<b>17,822</b>	<b>1,586,158</b>	

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LANDFILL	WDS	2017		NOTES
		TONS	PTE	
Brent Run Landfill Montrose, MI ADC	406671	0	0	Approved to use but not using tires.
Central Sanitary Landfill Cannonsville, MI ADC	416499	0	0	Approved in license but has not used tires.
City of Midland Sanitary Landfill, Midland, MI ADC	470453	0	0	Approved in license but has not used tires.
Dafter Sanitary Landfill Chippewa County, MI ADC	451470	0	0	Approved in license but has not used tires.
Granger: Wood St. & Grand River Lansing, MI Leachate/Gas Collection	470523	654	58,206	
K & W Landfill Ontonagon, MI ADC	408328	0	0	Approved in license but has not used tires
Marquette County Solid Waste Marquette, MI certified end-user; ADC	406807	138	12,282	
Ottawa County Farms Landfill Coopersville, MI ADC	403061	0	0	Approved in license but has not used tires
Peoples Landfill Inc. Birch Run, MI ADC	437908	0	0	Approved in license but has not used tires
Pitsch Sanitary Landfill Belding, MI Leachate/Gas Collection/ADC	407345	0	0	
Riverview Landfill Riverview, MI ADC	399054	12,782	1,137,598	
Sauk Trail Hills Canton, MI ADC	410118	0	0	Approved in license but has not used tires.
Southeast Berrien County Landfill Buchanan, MI ADC	458632	0	0	
Tri-City Recycling & Disposal Carsonville, MI	417640	0	0	Approved in license but has not used tires
Venice Park Recycling & Disposal Lennon, MI ADC	399185	0	0	Approved in license but has not used tires
Westside Recycling and Disposal Three Rivers, MI Leachate/Gas Collection/ADC	406807	0	0	
<b>TOTAL</b>		<b>13,574</b>	<b>1,208,086</b>	

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TIRE DERIVED FUEL (TDF)	ANNUAL PERMITTED CAPACITY (TONS)	2017		NOTES
		TONS	PTE	
Genesee Power Station WDS: 463635 SRN: N3570 <a href="#">Title V Air Permit</a> Permit No. 259-06	7,300	5,610	499,290	Reported 4749 tons to AQD; 2016 = 3286.27 T
Grayling Generating Station WDS: 447905 SRN: N2388 <a href="#">Title V Air Permit</a> Permit No. 882-89E	16,425	3,952	351,728	2016 = 3299.42 T
Hillman Power, Hillman WDS: 429049 SRN: N1266 <a href="#">Title V Air Permit</a> Permit No. 687-86G	20,000	7,385	657,265	Reported 7665 tons to AQD; 2016 = 9126 T
Lanse Warden Electric Co. WDS: 482982 SRN: B4260 <a href="#">Title V Air Permit</a> Permit No. 168-07A-B		8,935	795,215	2016 = 7386.48 T
TES (Tondur Energy), Filer WDS: 450616 SRN: N1685 <a href="#">Title V Air Permit</a> Permit No. 519-87F	35,040	9,737	866,593	Reported 11294 tons to AQD; 2016 = 19391.30 T
Verso Escanaba WDS: 395326 SRN: A0884 <a href="#">Title V Air Permit</a> Permit No. 259-06		15,744	1,401,216	Reported 4646 tons to AQD; 2016 = 17419.66 T
Viking Energy, Lincoln WDS: 436693 SRN: N0890 <a href="#">Title V Air Permit</a> Permit No. 290-86C	16,060	11,125	990,125	2016 = 11524 T
Viking Energy, McBain WDS: 391703 SRN: N1160 <a href="#">Title V Air Permit</a> Permit No. 261-86G	16,060	10,670	949,630	2016 = 11988.68 T
<b>TOTAL</b>		<b>73,158</b>	<b>6,511,062</b>	

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<b>OUT OF STATE USERS</b> <i>*self reported data</i>		<b>2017</b>		<b>NOTES</b>
		<b>TONS</b>	<b>PTE</b>	
Out of State Processors (see attached table)		65,850	5,860,650	from various out of state haulers
<b>TOTAL</b>		<b>65,850</b>	<b>5,860,650</b>	
<b>OTHER PRODUCTS</b> <i>*self reported data</i>		<b>2017</b>		<b>NOTES</b>
		<b>TONS</b>	<b>PTE</b>	
CM Rubber Technologies WDS: 477858		8,481	754,809	
Cobalt Holding, LLC WDS: 488250		2,840	252,760	
Deerpath Recyclers WDS: 479633		7,340	653,260	
Entech WDS: 470882		16,865	1,500,985	Operated in Michigan from January - March, 2017
Environmental Rubber WDS: 427801		15,815	1,407,535	
First Class Tire Shredders WDS: 471626		12,422	1,105,558	
Great American Env. Serv. WDS: 447424		1,081	96,209	
Huffman Rubber WDS: 471063		8,363	744,307	
Larrys Tire WDS: 471164		5,844	520,116	
Larrys Tire WDS: 490879		8,578	763,442	
Silver Lining WDS: 393268		27,160	2,417,240	
<b>TOTAL</b>		<b>114,789</b>	<b>10,216,221</b>	

# Current Usage and Capacity of Existing and Potential Scrap Tire End-Users 2017

TABLE 1 USE COMPARISON				
TOTALS	2017		2016	
	TONS	PTE	TONS	PTE
<b>END USES</b>				
Landfill Usage	13,574	1,208,086	40,361	3,592,129
TDF	73,158	6,511,062	83,422	7,424,558
TDF - Reported to AQD	74,133	6,597,837		
<b>TOTAL</b>	<b>86,732</b>	<b>7,719,148</b>	<b>123,783</b>	<b>11,016,687</b>
<b>DIVERSION</b>				
Reuse/Retread	17,822	1,586,247	14,759	1,313,551
Out of State	65,850	5,860,650	23,550	2,095,950
<b>TOTAL</b>	<b>83,672</b>	<b>7,446,808</b>	<b>38,309</b>	<b>3,409,501</b>
<b>PRODUCTS - REPORTED BY SCRAP TIRE FACILITIES</b>				
AGGREGATE	6,488	577,432		
BUFFINGS	480	42,720		
CRUMB	2,571	228,819		
DRAINFIELD	768	68,352		
FEED STOCK	736	65,504		
GRANULES	271	24,119		
MULCH/GROUND COVER	2,520	224,280		
SHREDS	1,081	96,189		
SILAGE/SIDEWALL	1,331	118,459		
STEEL/TIRE WIRE	1,571	139,819		
TDF	73,158	6,511,062		
USED/GRADE TIRES	4,536	403,704		
OTHER	19,279	1,715,831		
<b>TOTAL</b>	<b>114,789</b>	<b>10,216,221</b>	<b>134,643</b>	<b>11,983,227</b>
<b>TOTAL USAGE</b>	<b>285,193</b>	<b>25,382,177</b>	<b>296,735</b>	<b>26,409,415</b>

\*This table represents the Waste Management and Radiological Protection Division staff's best estimate of the current usage and capacity of existing and potential scrap tire material end-users. Many end users are not mandated to report tire commodity usage; therefore this table only includes information voluntarily reported to the Department. Additionally, many of the processors report the creation of a commodity that is then reported as used by an end user.

## Glossary

Out of State User: Tires were generated in Michigan and taken outside the state for use/disposal.

PTE: Passenger Tire Equivalent based on 1 PTE = 22.5 lbs (Increased to 22.5 lbs in 2012 from 20 lbs)

PTI: Permit to Install. The permit required for new or modified equipment or a change in the method of operation of existing equipment which causes certain increases in emissions.

ROP = Renewable Operating Permit. Old PTIs are voided and the conditions are placed into the ROP. New PTIs are also eventually rolled into the ROP for a major source of air emissions.

SRN = State Registration Number, which does not change for a site even when names or numbers change. It is the most certain way to identify correct information for a facility.

End-user means any of the following:

- (i) A person who possesses a permit to burn tires under part 55.
- (ii) The owner or operator of a landfill that is authorized under the landfill's operating license to use scrap tires.
- (iii) A person who uses a commodity to make a product that is sold in the market.
- (iv) A person who is authorized by this part to accumulate scrap tires, who acquires scrap tires, and who converts scrap tires into a product that is sold in the market or reused in a manner authorized by this part.