

**Current Usage and Capacity of Existing
and Potential Scrap Tire End-Users
2016**

REUSE/RETREAD	WDS	REPORTED USE		NOTES
		TONS	PTE	
Alma Tire <i>Alma, MI retread</i>	409073	0	0	Did not report
Belle Tire <i>Allen Park, MI retread</i>	483634	5,148	458,172	
Tredroc <i>Wyoming, MI retread</i>	470773	6,624	589,536	
Dependable Tire <i>Warren, MI retread</i>	471658	0	0	Did not report
Empire Iron Mine <i>Marquette, MI mining tire wind barriers</i>	Empire Iron Mining Partnership (Marquette) & Tilden Mining Co. (Tilden)	0	0	
Ginman Tire <i>Muskegon, MI retread, used tires</i>	497295	0	0	Did not report
Great Lakes Tire & Treading <i>Romulus, MI retread</i>	494266	0	0	Did not report
Jerry's Tire <i>Flint, MI retread</i>	470691	0	0	Did not report
Leslie Tire <i>Mt. Clemens, MI retreads</i>	470951	0	0	Did not report
Meekoff Tires <i>Grand Rapids, MI retread</i>	444349	0	0	Did not report
Olson Tire <i>Mt. Pleasant, MI retread</i>	471242	0	0	Did not report
Schrader Tire and Oil <i>Melvindale, MI retread</i>	398265	2,987	265,843	
Union Tire <i>Ann Arbor, MI retread</i>	478987	0	0	Did not report
Wingfoot (Goodyear) <i>Howell, MI retread</i>	443291	0	0	Did not report
Wonderland Tire <i>Wayland, MI retread</i>	436529	0	0	Did not report
TOTAL		14,759	1,313,551	

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LANDFILL	WDS	2016		NOTES
		TONS	PTE	
Brent Run Landfill Montrose, MI ADC	406671	0	0	Approved to use but did not use
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	40,000	3,560,000	
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	146	12,994	
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	215	19,135	
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	
TOTAL		40,361	3,592,129	

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TIRE DERIVED FUEL (TDF)	ANNUAL PERMITTED CAPACITY (TONS)	2016		NOTES
		TONS	PTE	
Escanaba Paper Company WDS: 395326 SRN: A0884 Title V Air Permit Permit No. 259-06		17,420	1,550,380	
Genesee Power Station WDS: 463635 SRN: N3570 Title V Air Permit Permit No. 259-06	7,300	3,286	292,454	
Grayling Generating Station WDS: 447905 SRN: N2388 Title V Air Permit Permit No. 882-89E	16,425	3,299	293,611	
Hillman Power, Hillman WDS: 429049 SRN: N1266 Title V Air Permit Permit No. 687-86G	20,000	9,126	812,214	
Lanse Warden Electric Co. WDS: 482982 SRN: B4260 Title V Air Permit Permit No. 168-07A-B		7,386	657,354	
Viking Energy, Lincoln WDS: 436693 SRN: N0890 Title V Air Permit Permit No. 290-86C	16,060	11,524	1,025,636	
Viking Energy, McBain WDS: 391703 SRN: N1160 Title V Air Permit Permit No. 261-86G	16,060	11,989	1,067,021	
TES (Tondu Energy), Filer WDS: 450616 SRN: N1685 Title V Air Permit Permit No. 519-87F	35,040	19,391	1,725,799	
TOTAL		83,422	7,424,558	

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OUT OF STATE USERS <i>*self reported data</i>		2016		NOTES
		TONS	PTE	
Out of State Processors (see attached table)		23,550	2,095,950	from various out of state haulers
TOTAL		23,550	2,095,950	
OTHER PRODUCTS <i>*self reported data</i>		2016		NOTES
		TONS	PTE	
CM Rubber Technologies WDS: 477858		5,577	496,353	
Cobalt Holding, LLC WDS: 488250		4,780	425,420	
Deerpath Recyclers WDS: 479633		7,899	703,011	
Entech WDS:		39,886	3,549,854	
Environmental Rubber WDS: 427801		24,020	2,137,780	
First Class Tire Shredders WDS: 471626		11,413	1,015,757	
Great American Env. Serv. WDS: 447424		1,430	127,270	
Huffman Rubber WDS: 471063		9,384	835,176	
Larrys Tire WDS: 471164		2,170	193,130	
Larrys Tire WDS: 490879		9,667	860,363	
Silver Lining WDS: 393268		18,417	1,639,113	
TOTAL		134,643	11,983,227	

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TABLE 1 USE COMPARISON				
TOTALS	2016		2015	
	TONS	PTE	TONS	PTE
END USES				
Landfill Usage	40,361	3,592,129	8200	729,827
TDF	83,422	7,424,558	121,323	10,797,719
TOTAL	123,783	11,016,687	129,523	11,527,546
DIVERSION				
Reuse/Retread	14,759	1,313,551	30,036	2,673,191
Out of State	23,550	2,095,950	23,550	2,095,943
TOTAL	38,309	3,409,501	53,586	4,769,134
PRODUCTS				
Other	134,643	11,983,227	112,813	10,040,360
TOTAL USAGE	296,735	26,409,415	295,922	26,337,040

*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

ROP = Renewable Operating Permit. Old PTIs are voided and the conditions are placed into the ROP. New PTIs are

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.