

Tire Collection Guidelines

- Empire District Electric residential customers **ONLY**
- Automotive tires only
- Limit Ten (10) tires per household
- Tires should be clean
- Commercial tires not accepted
- With or without rims/wheels

Asbury Power Plant



The Empire District Electric Company marked the completion of the installation of a new Air Quality Control System (AQCS) at the Asbury Power Plant with a dedication event on February 10, 2015. Construction began on the project in 2012, with a projected cost of \$112 - \$130 million. Due to effective project management, the AQCS was completed for about \$112 million. Over 150 project workers were on site at the peak of construction.

The AQCS will further reduce emissions of sulfur dioxide by up to 95 percent, particulate matter up to 99 percent and mercury up to 85 percent.

The AQCS addition allows the plant to meet emission standards set forth by the Environmental Protection Agency.



The Empire District Electric Company
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Used-Tire Collection

*Conserving Natural Resources,
Keeping Our Community Clean*



In partnership with
CITY OF
JOPLIN
MISSOURI

Empire's Free Tire Collection

Conserving Natural Resources, Keeping Our Community Clean

TDF Fast Facts:

- On average, one scrap tire per year is generated for each person in the United States.
- It takes about 100 passenger car tires to make one ton of tire-derived fuel.
- Since 2002, the equivalent of 4.9 million tires have been used at the Asbury Plant.



What Does Empire Do With The Tires It Collects?

After collection, tires are sent to a processing facility near Kansas City where they are chopped into small pieces to create tire-derived fuel (TDF). The TDF is then shipped to our Asbury Power Plant where it is mixed with coal and used to produce electricity.



How Much Tire-Derived Fuel Does Empire Use?

Empire is permitted by the Missouri Department of Natural Resources to burn 20,000 tons (about two million tires) of TDF per year. This makes up about one to two percent of the total fuel used at the Asbury Power Plant.

Is Using TDF Safe?

Utilities are able to burn TDF because of the controlled atmosphere utilized which includes environmental controls and continuous emissions monitoring to protect the environment.

What Are The Benefits Of Using TDF?

Converting old tires into fuel to produce electricity:

- Saves landfill space.
- Removes tires from the environment.
- Reduces the amount of illegal tire dumping.
- Reduces mosquito-breeding habitat, the mosquito population, and the spread of West Nile Virus.
- Preserves our natural resources by replacing coal, natural gas, and other fossil fuels.

What Is The Cost Of Using Tire-Derived Fuel?

Although we are collecting tires at no cost today, we must pay to ship them to the processing facility, have them processed, and have the TDF shipped to our power plant. Additional tires are collected by retailers for a fee. These expenses bring the cost of TDF to about the same cost as coal.

