

TDF OUTLOOK

What is happening in the TDF Markets?

TDF WARKETS











Pulp & Paper Boilers

Industrial & Utility Boilers

Cement Kilns Electric Arc Furnace (EAF)

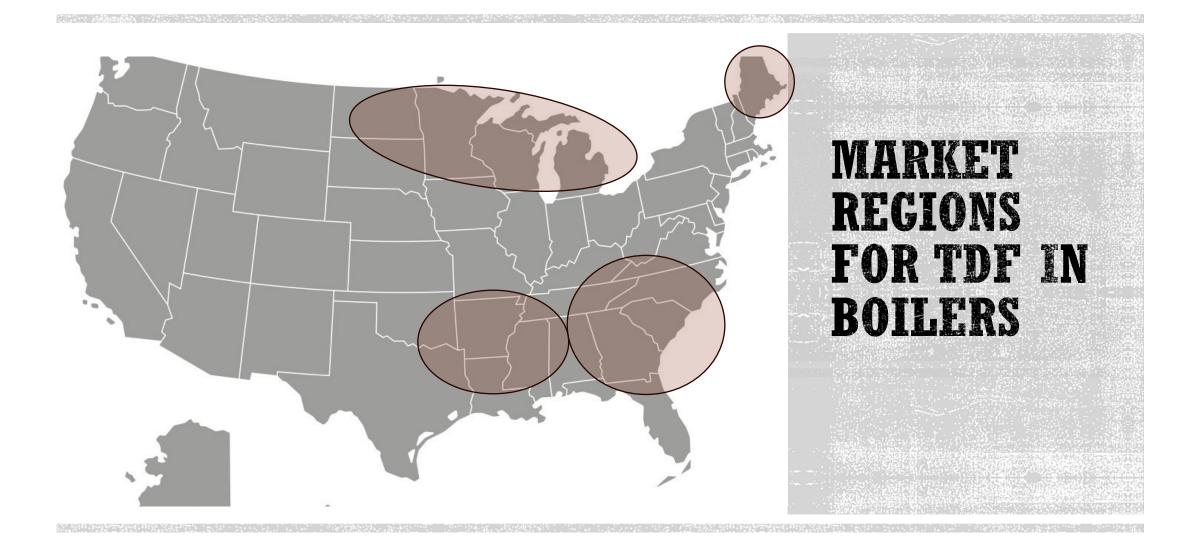
Export Markets

Cement Kilns Boilers





TWO PRIMARY TDF MARKETS



EAF WARKETS

TDF contains heat content, steel content and carbon content

Limited use to specific plants in certain regions of the U.S.

Ocean Vessel - Bulk



Containers



Bales



EXPORT MARKETS: BALED TIRES, LARGE SHRED AND SWALLER TDF

TDF QUALITY - IMPACT ON MARKETS











Whole tires or 1.5" minus (pneumatically conveyed)

1.5" minus (relatively wire free)

Size requirements vary by plant

Bales, 6" or 12" shred





TDF

SHRED 8

TDF DELIVERY & HANDLING CONSIDERATIONS



Distance



Size of Material



Loading & Unloading constraints





RIVER BARGE





END DUMP - TRUCK DELIVERY





TDF METERING SYSTEMS

TDF END USER QUESTIONS



Regulatory (air & water) issues for end users.



Financial impact of Fuel Savings



Positive Environmental impact with emissions at the end user location?



Boilers previously permitted for TDF but not burning at the present time are potential targets for future use.



- Energy Prices Natural Gas & Coal
- Biomass (i.e. pellets plants)
- Higher Value Rubber Market Demand
- Processor output fluctuates seasonally (i.e. mulch, asphalt, wire, TDF, etc.)
- Changing Export Markets



THANK YOU!

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