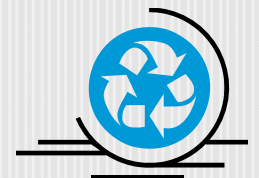
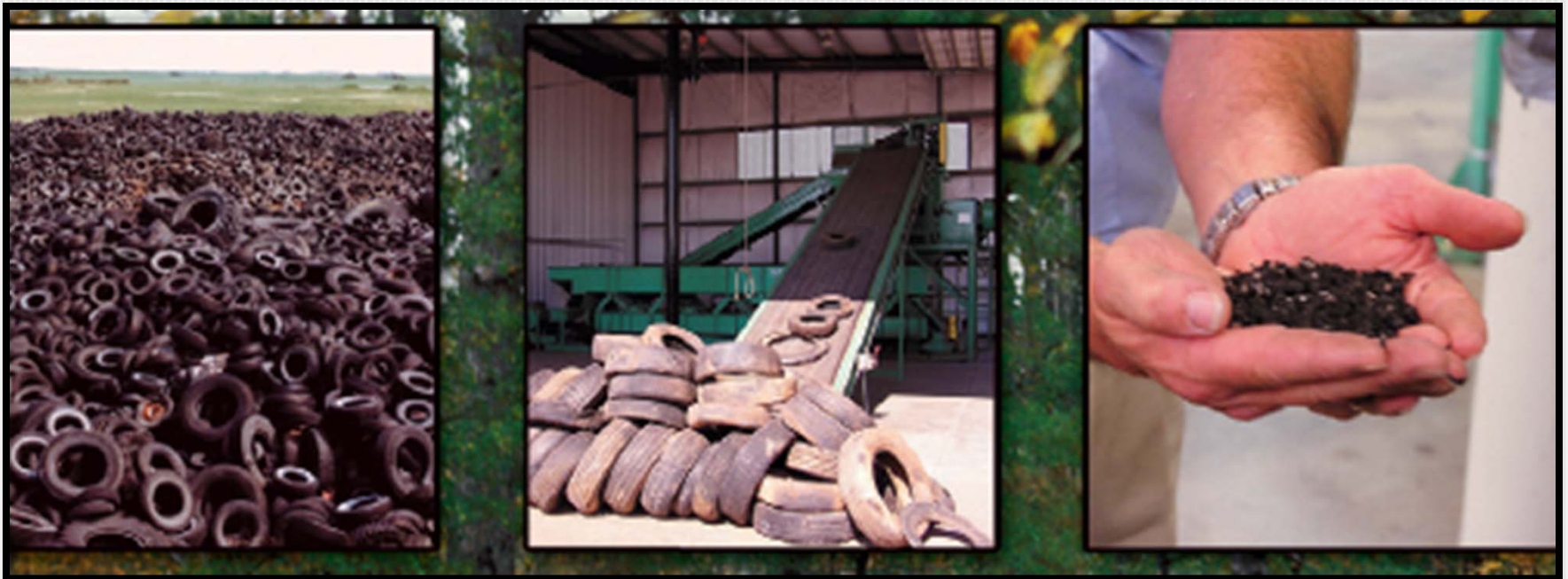


# TIRE DISPOSAL



# MOBILE SHREDDER



## *Advantages:*

- Can be towed by a 1 ton or larger pick up truck
- Does not require an operational facility or location
- Makes a final product in one operation with one operator
- Saves time and fuel expenditures
- Unit is smaller in size than an industrial shredder

## *Disadvantages:*

- Transporting liabilities
- Damage to the machine may occur during the transporting of the unit from one site to another
- Mobile unit selection is limited

Estimated pricing \$127,000 to \$180,000

# MOBILE TIRE SHREDDER COST BENEFIT

	1ST YEAR	2ND YEAR
City of Edinburg - proposed cubic yard rate for shredded tires	\$ 17.00	\$ 17.00
Proposed cost per 30 yard container	\$ 510.00	\$ 510.00
Estimated loads per year (2 loads per week)	104	104
Estimated Disposal Cost - Edinburg Landfill	\$ 53,040.00	\$ 53,040.00
Investment - Mobile Shredder	\$ 180,000.00	\$ -
Personnel - 2 Operators - \$28k/yr. w/fringes	\$ 78,514.00	\$ 78,514.00
Operating Expenditures	\$ 30,000.00	\$ 30,000.00
Grand Total	\$ 341,554.00	\$ 161,554.00
Average Tire Disposal Cost (Tipping Fees Only)	\$ 257,000.00	\$ 257,000.00
Cost Savings	\$ (84,554.00)	\$ 95,446.00

Note: Current vendor UTW collects 2 loads every 3 days.

**5 YEAR SAVINGS FORECAST: \$300,000.00**

# SPECIFICATIONS

## MOBILE TIRE SHREDDER SPECIFICATIONS

- 1 to 3 inch nominal screen sizes
- 1000 plus car tires per hour or 600 semi-truck tires per hour or;
- 1 to 4 tons per hour (dependent on material and screen size)
- Programmable Controller (PC) overload protection and auto reverse
- 24" wide cleated in-feed conveyor
- Hydraulic folding out-feed conveyor 132 inch out-feed height
- Low maintenance|hydraulic system
- Dual shaft shredder
- Hydraulic shredder 36" x 30" |cutting chamber 2" x 14.625" four hook knives standard (can be configured with different knife sizes)
- 100 Horse Power diesel (larger horsepower options if available)
- 50 gallon fuel tank provides 30 hour of run time
- One or two person operator
- Input: Truck, passenger car, bus and agriculture vehicle tire(s)
- Ability to be towed by a truck
- Price Range: \$50,000 - \$200,000
- Maintenance Program (Optional)

# ESTIMATED PURCHASING BIDDING PROCESS SCHEDULE

NO.	EVENT DESCRIPTION	DATE
1.	C.C. approval of Specs and Authority to Advertise	03/11/2014
2.	First Advertisement	03/15/2014
3.	Bid Packets to Vendors	03/18/2014
4.	Second Advertisement	03/22/2014
5.	Deadline for Vendors' Written Questions	03/26/2014
6.	Answer to Written Questions	03/28/2014
7.	BID OPENINGS	04/02/2014

# DISCUSSION ITEMS

- What department will be responsible for this machinery?
- Assign a designated site for the equipment as its primary location.
- Mobile Tire Shredder will require a crew (2 operators) to transport, maintain and operate equipment at all times. (Option: utilize 2 employees per Precinct)
- What truck will be utilized to transport the machine?

# DISCUSSION ITEMS (con't)

- How will shredding operations be assigned by each Precinct? (Follow a schedule or on an as needed basis)
- To establish a routine schedule, the current volume per week must be provided per Precinct.
- All whole tires must be in a container at the Precinct site to comply with TCEQ regulations.

# END-PRODUCT USES

- Dispose at Edinburg Landfill at a rate reduction
- Land Reclamation Projects
- Request for Proposals (RFP) – Sale of End Product

