



Engineering and Public Works Department  
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DATE: February 26, 2024  
TO: Wade Bryson, Chair  
Public Works and Facilities Committee  
THROUGH: Denise Koch, Director Engineering and Public Works  
FROM: Dianna Robinson, Environmental Project Specialist  
SUBJECT: Tire Shredder

Staff have identified a shredder model through our Sourcewell Cooperative Purchasing Agreement. The shredder they have selected is a Bandit Impaktor 250, which has the following benefits:

- A unique quick change cassette system for switching shafts, which allows:
  - o Simplified maintenance and easy replacement of grinding blades and paddles (a common maintenance task for shredders).
  - o The operator to shred a wider range of materials.
- The shredder is on a track system, which allows us to easily transport it to different sites for different needs.
- It can shred up to 5 tons of tires an hour, and up to 20 tons of wood waste per hour.

At the moment, there is only one single unit for sale through this vendor and it has a cost of \$380,530. Shipping will cost approximately \$20,000; staff are waiting on a more precise figure from the dealer. Total cost to purchase and ship: ~\$400,530. There will also be operational costs to run a tire shredding program. This program would be put out to bid for operation, but at the moment staff do not have a figure for annual operational costs.

There is one unit available now, and the dealer is willing to hold it for six weeks for \$25,000. Due to supply chain issues, if we choose not to purchase this particular unit, we will need to wait 9-18 months for the option to purchase any shredder from this vendor.

Currently there is no CIP for capital expenses to purchase this piece of equipment. Staff recommend waiting until funding is in place before committing to a particular piece of equipment.

If PWFC would like to proceed with a tire shredder, an Assembly member would need to offer an amendment during the budget process for capital and operating expenses and identify a funding source.

**Action Requested:** Motion of support for both capital and operating costs to operate a tire-shredder.