

Chicago's Urban Wood Utilization Program



City of Chicago
Department of Streets and Sanitation
Bureau of Forestry

Mayor Rahm Emanuel

City of Chicago



| | |
|----------------------|--------------------|
| Population: | 2,695,598 |
| Land area: | 228.5 square miles |
| Park land area: | 7,328.38 acres |
| Street right-of-way: | 3,780 linear miles |
| Parkway trees: | Over 547,000 trees |

Forestry Operations

Tree Trimming

- Trim for street/building clearance and to improve visibility.
- Approximately **25,000** trees per year.



Tree Removal

- Dead, diseased, hazardous trees or for construction.
- Average **7,000** removals per year

Debris Pick-up

- Resident generated yard debris.
- Average **10,000** pick-ups per year



Forestry Operations

Storm Damage and Tree Emergencies

- Respond citywide to clear streets, houses, sidewalks, and cars.
- Over **18,000** emergency calls each year.



Forestry Operations

Debris generated

- Brush
- Mixed loads
- Crotches
- Decayed wood
- Imbedded material



Wood Disposal History

Move from disposal to utilization

- Landfill
- Open Burning
- Log Salvage
- ChipHarvester
- Air driven incinerator
- Tub Grinder



Wood Disposal History

Landfill and Open Burning



Wood Disposal History

Log Salvage



Wood Disposal History

Chip Harvester



Wood Disposal History

Pactherm Burner



Wood Disposal History

Tub Grinder



Wood Debris



Wood Fiber Generated in 1977

- Chips 10,000 tons
- Logs 30,000 tons
- Total 40,000 tons
- Utilized 7.5%*

* Morbark Chips and logs

Wood Debris

Wood Fiber Generated in 1991

- Chips 5,800 tons
- Logs 11,810 tons
- Total 17,610 tons
- Utilized 33%*

* Morbark chips, chipper chips, and logs

Wood Debris

Wood Fiber Generated in 2006

- Chips 32,000 tons
- Logs 904 tons
- Total 32,904 tons
- Utilized **100%***

*** Morbark Chips, Tub Chips, Logs**

Wood Debris

Wood Fiber Generated in 2012

- Chips 22,000 -24,000 tons annually
- Logs 3,000 tons
- Total 25,000 – 27,000 tons
- Utilized 100%*

* Tub Chips, Logs

Wood Debris

100% of Wood Chips Utilized

2% Chipped for Citizen use

- Homeowners, Community Groups/Gardens

5% Used for municipal purposes

- Chicago Park District, Schools, Vacant Lots, Tree Pits

93% Sold to salvage vendors

Processing Operation

Clam loader and Semi trucks load debris and bring to the recycling site.



Processing Operation

Mixed debris sorted by high lift.



Processing Operation

Logs stacked by Clam loader for vendor pick-up.



Processing Operation

Brush and small logs ground in the tub grinder.



Processing Operation

High lift keeps tub grinder fed and clears mulch.



Processing Operation

Loose rock and debris are sorted and disposed.



Procurement Salvage contract

INVITATION TO BID ON PROPERTY FOR SALE
BY CITY OF CHICAGO
DEPARTMENT OF PROCUREMENT SERVICES
Salvage Operations
121 North LaSalle Street, Room 403
Phone: 312-745-4140/4141

Proposal Number: F6998680013A
Description: Sale of Logs, Various Sizes, 12 Inch Diameter and Larger
Terms of Agreement: June 1, 2006 through May 31, 2008
Location: Department of Streets and Sanitation, Bur. Of Forestry
O'Hare Recycling Center, Irving Park Road Near Division Street, Chicago, IL
Bureau of Forestry, 900 East 103rd Street, Chicago, IL

Bid Opening Date: Monday, May 29, 2006, 11:00 A.M. CST

NOTICE TO BIDDERS

Unless otherwise specified herein, awards will be made to the firm submitting the highest bid as specified on the attached bid documents. Where quantity of an item is at variance with city estimates, the final amount of the sale is at the unit bid price determined by the quantity removed. Failure on the part of the bidder to inspect the property shall not be considered as grounds for any claim or judgment. Property is sold on the basis of "as is, where is" without warranty. Bids may be rejected, if in the opinion of the Chief Procurement Officer, the public interest may be served thereby.

Successful bidder(s) will be notified in writing. If a successful bidder does not submit payment as specified, the Chief Procurement Officer reserves the right to award the sale to next highest bidder. Payment must be in the form of a cashiers check, certified check or money order. **Cash is not accepted.** If the successful bidder does not pick up the property within the time period specified, the Chief Procurement Officer reserves the right to award the sale to next highest bidder.

Buyer is to furnish all labor and equipment. If buyer subcontracts all or a portion of the labor and equipment to remove the property from the sale location, buyer is required to provide subcontractor(s) information on the attached Subcontractor Information Schedule and include with your bid. Subcontractors not disclosed herein will not be allowed to remove any equipment. Property must be paid for and removed within five (5) working days of authorization to remove. Buyer will also provide proof of insurance and all applicable licenses and permits.

ALL BIDS MUST BE FAXED TO 312-744-0010, DEPARTMENT OF PROCUREMENT SERVICES, SALVAGE OPERATIONS, BID PROCESSING, BY 11:00 A.M., LOCAL TIME, ON OR BEFORE THE BID OPENING DATE LISTED ABOVE.

Online Auction

Public Surplus: Auction #790012 - Windows Internet Explorer, powered by City of Chicago

Public Surplus Auction #790012

Public Surplus

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Auction #790012 - WOOD CHIPS,CHIPPER CHIPS/TUB GRIND - Approx. 10,000 Yards Sold as One Lot

Current Price **\$2,500.00** (Reserve has been met) [?](#)
Time Left **5 days 0 hours**
High Bidder
of Bids **0**
Auction Started **Sep 26, 2012 10:11:36 AM MDT**
Auction Ends **Oct 3, 2012 1:00:00 PM MDT**
Note: This auction might extend [?](#)

Seller **City of Chicago**
[View seller's auctions]

Terms and Cond. [View Terms and Conditions]

Pick-up Location Dept. of Streets & Sanitation - Bur. of Forestry
South [Map It]
900 East 103rd Street
Chicago, IL 60617

Auction Contact Please login to view contact

Payment **Money Order, Cashiers Check, Visa, MasterCard, Discover, American Express, Cash**
Online CC Payment Less than or equal to \$4,000.

Shipping **Buyer must pickup item(s)**

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Bid on Item

WOOD CHIPS,CHIPPER CHIPS/TUB GRIND - Approx. 10,000 Yards Sold as One Lot
Auction #790012

Region: **IL**

Opening Price: \$2,500.00
Minimum bid: \$2,500.00

Your proxy bid: \$

Currency: **USD**

Bid Deposit: **REQUIRED**

Public Surplus will place incremental bids for you up to the maximum amount you are willing to bid using proxy bidding. Your maximum amount is only visible to you. No other bidders will know what your maximum bid is. If there is a reserve price, your bid will go to the reserve maximum and then any amount of your bid over the reserve amount, will be in a proxy bid.

Remember - this bid is the same as a contract. Please only bid on an item that you are serious about buying. If you do win the bid you are legally bound by contract to purchase the item.

[?](#) How to place a bid

Description

WOOD CHIPS,CHIPPER CHIPS/TUB GRIND - APPROXIMATELY 10,000 YARDS - SOLD AS ONE LOT (equivalent to approximately 100 hundred Semi Loads of 100 yards each).

IMPORTANT!!! YOUR AUCTION BID WILL BE THE PRICE YOU ARE PAYING FOR THE ENTIRE 10,000 YARD LOT! (This is NOT a "pay per load" auction, so please be aware that your bid must cover the cost for the entire lot auctioned; PAYMENT FOR ALL 10,000 YARDS IS DUE WITHIN ONE WEEK OF THE AUCTION END DATE.

Term (Duration) of Agreement: Removal of wood chips will start within two weeks of the auction closing date; the winning bidder must remove all 10,000 Yards of chips by through December 31, 2012

**Pick-up Location: Department of Streets and Sanitation, Bureau of Forestry
900 E.103rd
Chicago, IL 60617**

The City of Chicago online auctions are opened to the general public, unless otherwise stated in the auction description. However, City of Chicago employees and their relatives will not be permitted to bid.

THIS SURPLUS ASSET IS BEING SOLD "AS IS", WITH NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Please review the City of Chicago Online Auction

NOTICE TO BIDDERS

Common Local Urban Wood Uses

Chips

- Roofing felt (historically), fuel pellets, mulch, chip broker

Logs

- Blocking, landscape ties, custom lumber, bowls, pallets, firewood, other fuel wood

Barriers to Wood Utilization

- **Cost**
- **Lack of Will Power**
- **Lack of Recycling Sites**
- **Equipment**
- **Contamination**
- **Variable Supply of Wood**

Non-Barriers to Wood Utilization

- **Tree Removal Practices**
- **Local Market**
- **Lack of Recycling Sites**
- **Contamination**
- **Variable Supply of Wood**

Future Wood Disposal

Bandsaw Mill

