Camp Small: Closing the Loop on Community Forestry







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Foundations and Inspirations

City owned and operated 4.5 acre “stump dump”

Central location within Baltimore City

8000 tons annually

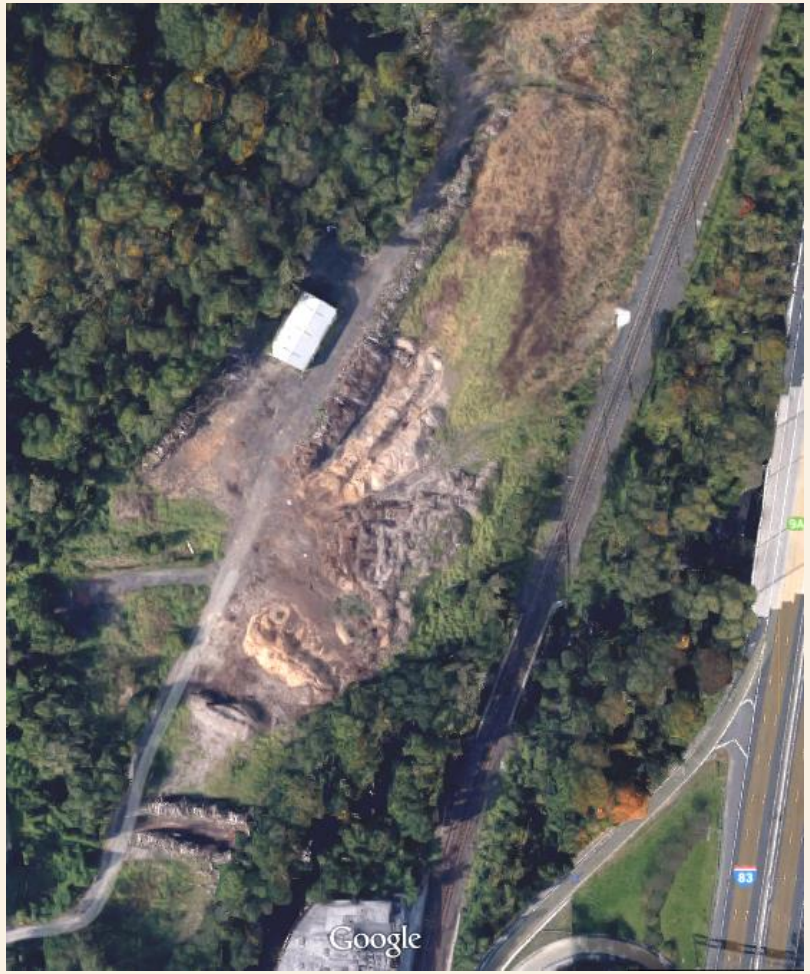
Large Removal Costs

“Waste to Wealth” initiative – Dept. of Planning

The Innovation Fund – City Finance

EAB, climate change, and storms





An Abundance of Ash

- Baltimore City has 2.5 million trees. In 2013, 10% were Ash
- There are 125,000 street trees in Baltimore City. In 2013, 5% were Ash
- 400 mature trees were treated, beginning in 2015. treatment on those trees continues.
- Ash wood is a valuable and extremely useful hardwood, favorable for furniture, cabinetry, tool handles, baseball bats
  - **Beautiful grain and color**
  - **Limb wood and low-grade logs are excellent firewood**
- We repurpose all of the Ash for highest value!





Finding Higher Purpose

The Zero Waste Initiative. Est. 2016





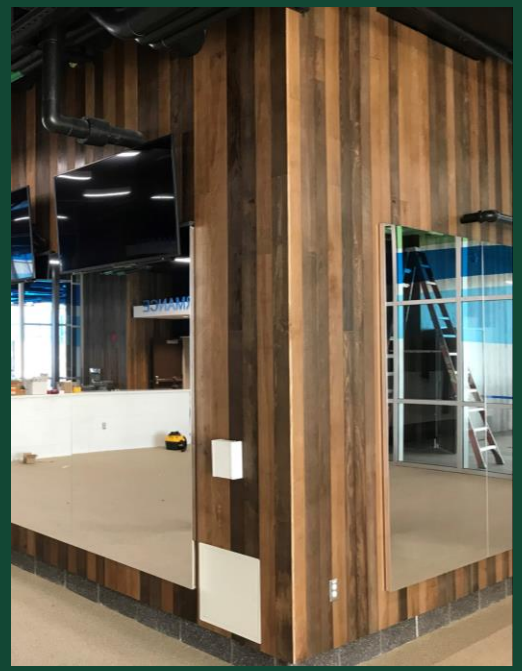


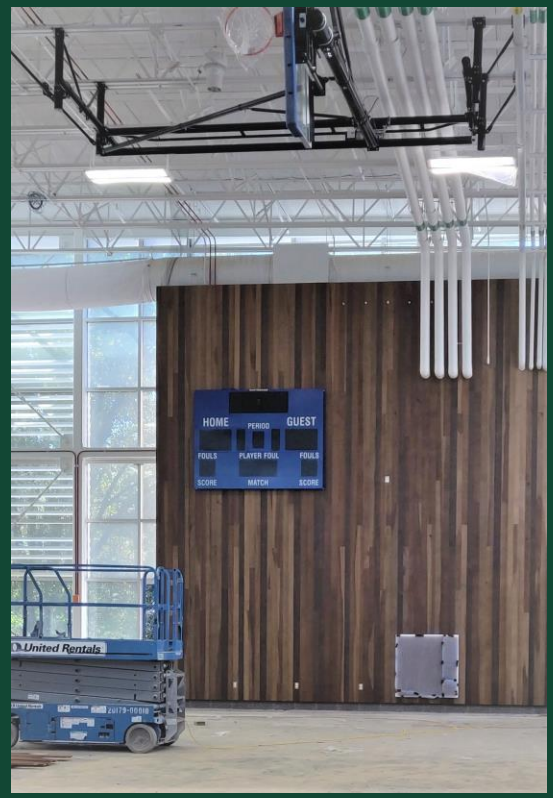


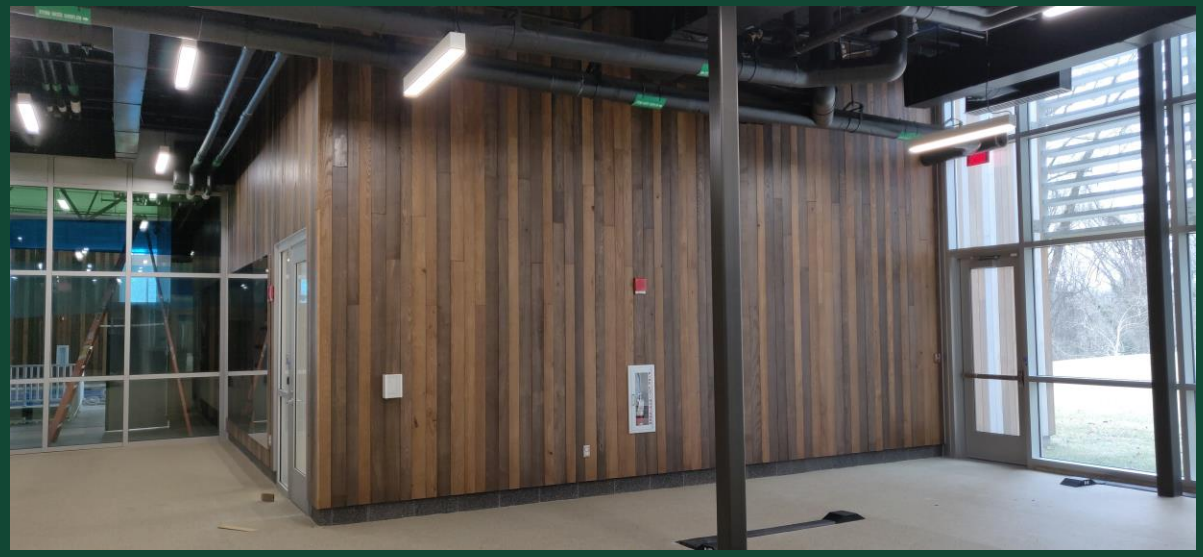


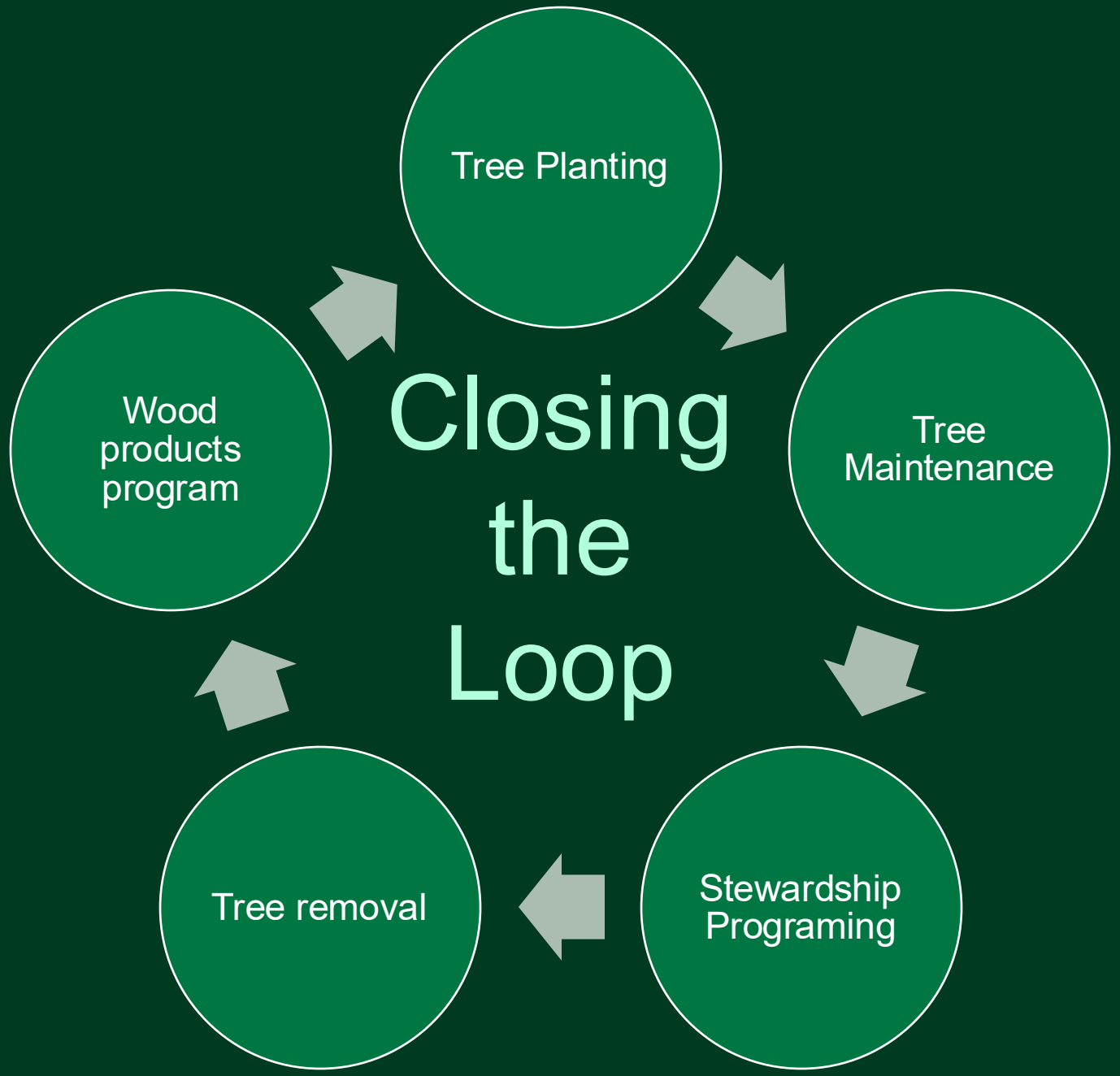
Cahill Recreation and Wellness Center

- Baltimore Gas & Electric – substation project
  - Cleared 2 acres of urban forest
  - City Forestry required contractor to provide logs from trees marked for removal
- Established contract with area sawmill to process logs into lumber
- 17,000 bd ft of interior wall cladding milled from Ash, Walnut, and Poplar installed into new rec center
- Provided a $70,000 saving to the City
- Created a model that we apply to all utility and public works project on Parks property









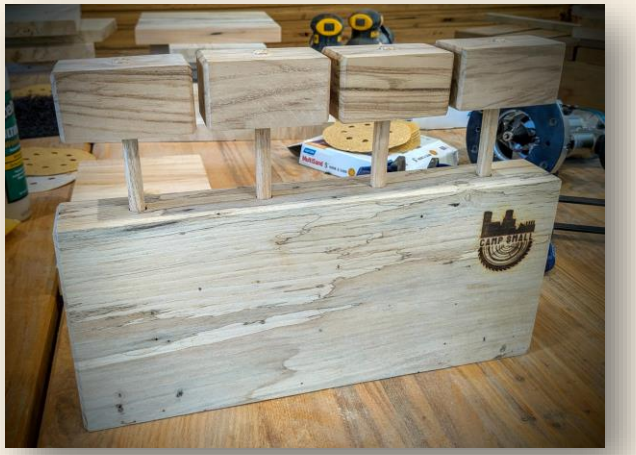
We Plant
We Maintain
We Educate
We Remove…

……

We Plant [??]…

Wait!... What happens to the tree after it’s removed?!

DID YOU KNOW THAT CITY STREET TREES HAVE WOOD INSIDE THEM? YES?...





WELL, IF IT'S LIKE THE WOOD AT A LUMBER YARD…



THEN WHY AREN'T WE USING IT???



Imagine, this is a Black Walnut Log…(use your imagination).

It's 35 inches in diameter and 14 feet long. It has 840 board feet

This log costs $150 for most municipalities to dispose of.

Sold as a log at market rate for $1200.00

Sawn into kiln dried boards this log is valued at $11,000

Fabricated into tables it can create as much as $100,000 in value

Generating Profit



Annual numbers

15,000 board foot of kiln dried lumber

+

30,000 board foot of green lumber

+

40,000 board foot of logs upcycled

+

5,000 cubic yards of woodchips distributed







Creating Value for our Communities

- An education center
- A workforce development center offering paid skill training to city residents
- Discounted pricing and additional services for Community projects
- Offering consultation to residents, schools, and community groups on project design and implementation
- Creating products that our community and its businesses need



Annual Revenue- $175,000
Annual Savings- $250,000

Camp Small relies on revenue for its continued growth, but the greatest value are the services it provides to the City, its residents, and its businesses- aiding in their growth.

Workforce Development Program

- Partnership with local tree planting partners, Baltimore tree Trust.
- Provides skill development to Tree Trust employees
- 5 month long program providing Forestry, Sawyer, and Woodshop skills







Outdoor Classrooms and Nature Play







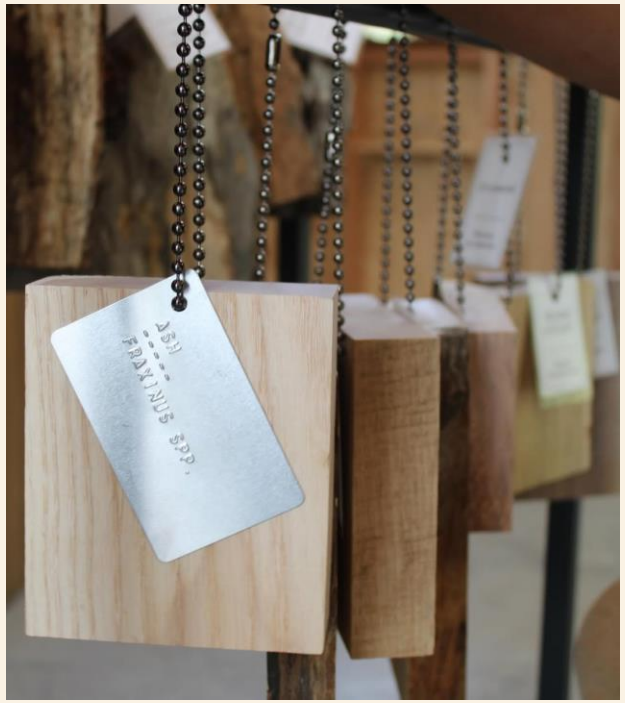


Cylburn Arboretum Nature Center









The Maryland Zoo









Customer Creations











On the horizon:

- Increased Aggregation
- Increased Lumber Production
- Nature Exploration Areas
- Compost
- BioChar/Biofuel
- Thermally Modified Wood
- Cross Laminated Timber



Thank you!

BALTIMORE CITY
RECREATION & PARKS

CAMP SMALL
BALTIMORE CITY REC & PARKS URBAN WOOD RECYCLING