Harvesting

The overall health and beauty of the trees will be the responsibility of each module. A Healthier tree gives a better yield to the harvester as well as improves the quality of the urban tree canopy.

Pruning & Maintenance

Tree Planting

Tree farms are set up in abandoned lots to supply the foresters with a resource of new trees. The trees are grown to a proper size and then transplanted into the city. This process cycle allows for expansion of the urban canopy and increase of potential product for harvesting.

Map Research

Module Description

What’s Wrong with the current operations

What are current Operations

500,000 trees total in city streets. 10,000 street trees removed and replaced each year from city by streets and sanitation which is 2% of total cover. 9,420,000 board feet of wood Ground up into chips each year. 117 city employees (Division of Forestry) to do this task. $1,170,000 paid each year in salaries

What is the potential

$12,436,200 of Potential Profit each year through sawn wood, firewood, and chips/mulch. City currently makes $176,000 each year

The Mill Module

Space Requirement

Operational Space Required:
- Wood storage uncut =2500 square ft
- Wood storage milled =900 square ft
- Kiln = 900 square ft
- Sawmill =270 square ft
- Fork truck =38 square ft
- Truck dual axle =180 square ft
- Truck with Flatbed =270 square ft
- Office =500 square ft
- Equipment storage =900 square ft
- Total Area Need =6458 square feet

A SAWMILL OF THIS SCALE would only require square footage equal to that of a typical CHICAGO DOUBLE LOT.

How can UrbForM impact the Entire Metropolis?

ONE Module of Land?

Scalability
This system has the ability to operate at any size and any place!

City Operations savings
$1,170,000.00 of salary savings annually.

Franchise Value
$385,000.00 selling price for one franchise module.

Sample Development 1

Business Model

“Nine Element” Business Model

Value
- Access
- Mobility
- Infrastructure
- Environment
- Economic
- Social
- Educational
- Policy

Offer
- Value proposition
- Product quality
- Brand
- Marketing
- Distribution

Customer
- Customer experience
- Customer relationship
- Customer retention
- Customer acquisition

Finance
- Income
- Expenses
- Profit

Sample Development 2

R-Factor

R-factor is based on Tree coverage rate.

R-factor (Tree coverage) 1.1
- 10-15% Tree coverage
- 435 trees/year are removed on 6067 acres.
- $540,626 revenue can be earned.
(Average Module Definition Value)

Sample Development 3