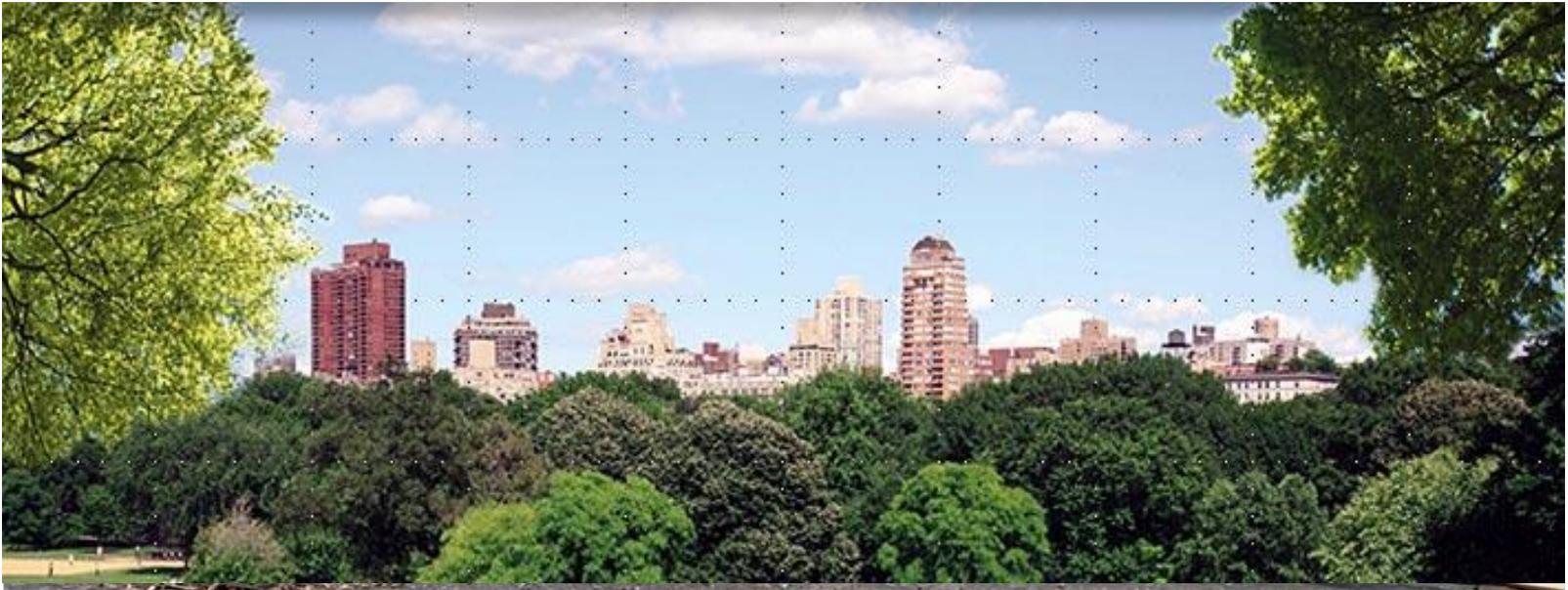


IPRO 350  
Environmental and Urban  
Wood Reclamation



# Problem

Most urban timber is not currently being used to its fullest potential.



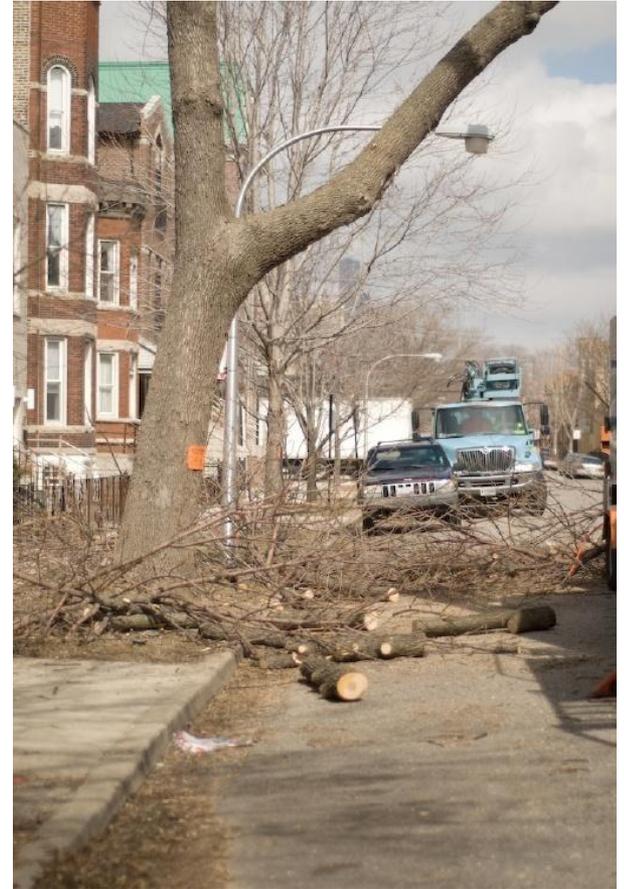
# Scope

25,000,000

Ash trees have been cut down since the discovery of EAB.

Our goal:

To research local market and develop contacts of interested parties.



# Project history

Two previous IPRO teams had explored the subject in terms of creation a business venture.

Our team collaborates with Ill EAB Wood Utilization Team & three suburban municipalities conduct feasibility studies.



Illinois Emerald Ash Borer  
Wood Utilization Team



# Municipalities



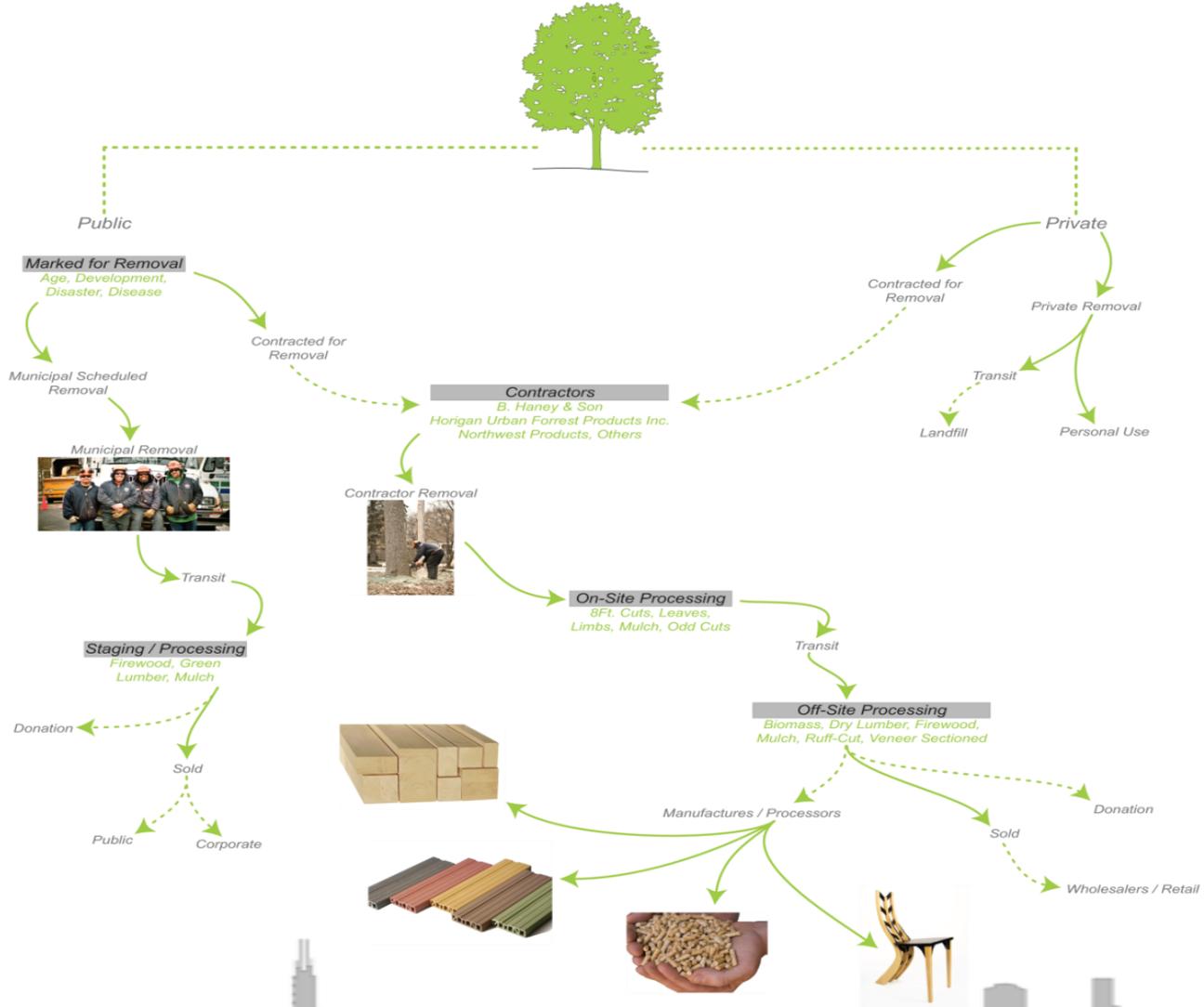
# Municipal data

|                     | Evanston               | Oak Park              | Wilmette              |
|---------------------|------------------------|-----------------------|-----------------------|
| Trees               | 22,000<br>(12,000 ash) | 12,700<br>(2,524 ash) | 18,600<br>(7,000 ash) |
| % Usable for Lumber | 80%                    | 10%                   | 10%                   |
| Board Feet          | 1,689,600              | 378,460               | 154,380               |

**Total Number of Trees: 53,300—\$11Million—146 Homes**



# Process



# Uses and Consumers

Habitat for  
Humanity – Illinois



US Forest Service  
Products Lab



Niles North  
High School



Illinois Department of  
Corrections



Horigan Urban Forest  
Products Inc.



# Challenges

## Convention

Industry is resistant to change old habits.

## Economics

Economy of scale for profit driven businesses.



# Conclusions

## Vast Project Scope

Solution to urban wood requires multi-faceted approach.

## Production Potential

Benefits of wood pulp production.

## Comprehensive Resource Use

Use all components of the tree.



# Proposed Solutions

## Central Hub Facility

“FedEx” for urban wood

## Urban Wood Exchange

“EBay” for urban wood.



# Next steps

Development of Interested Parties

Formation of Municipality/User  
Partnership(s)

Further Public/Private Awareness  
Campaign



Questions?

