IPRO 350
Environmental and Urban Wood Reclamation
Problem

Most urban timber is not currently being used to its fullest potential.
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 Illinois Emerald Ash Borer Wood Utilization Team and three suburban municipalities to conduct feasibility studies.
Municipalities
### Municipal data

<table>
<thead>
<tr>
<th></th>
<th>Evanston</th>
<th>Oak Park</th>
<th>Wilmette</th>
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</thead>
<tbody>
<tr>
<td>Trees</td>
<td>22,000 (12,000 ash)</td>
<td>12,700 (2,524 ash)</td>
<td>18,600 (7,000 ash)</td>
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<tr>
<td>% Usable for Lumber</td>
<td>80%</td>
<td>10%</td>
<td>10%</td>
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<tr>
<td>Board Feet</td>
<td>1,689,600</td>
<td>378,460</td>
<td>154,380</td>
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Total Number of Trees: 53,300–$11 Million–146 Homes
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?