Forested Systems Initiative: Forestry Education – Health, Management and Utilization
Logic Model

<table>
<thead>
<tr>
<th>Inputs</th>
<th>Activities</th>
<th>Outputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>County Extension Agents</td>
<td>Newsletters, Radio/TV/News-papers, Social Media, Publications,</td>
<td>General Public, Forest owners, Farmers, Loggers, Forest Industry,</td>
</tr>
<tr>
<td>Extension Specialists</td>
<td>Webinars, Workshops, Field days, Technical trainings, Internet</td>
<td>Volunteers, Forestry and Natural Resource Professionals, Elected</td>
</tr>
<tr>
<td>Extension Associates</td>
<td>resources</td>
<td>officials, Community Leaders, Cooperative Extension</td>
</tr>
<tr>
<td>State Agency Partners</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Agency Partners</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Government Organizations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facilities</td>
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<td></td>
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<tr>
<td>Financial Support</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Short Term! Change in awareness and understanding of:                  | Medium Term! Forest health, management and utilization activities/practices that support sustainable forests are implemented |
| Assumptions                                                          | Individuals and policy makers make more informed decisions regarding managing and utilizing forest resources |
| Many individuals have limited knowledge regarding forests, their value, and how to manage and sustainably utilize this vital resource. | Timber harvest operations abide by all laws and regulations |
| Sharing research based information and educational programs facilitates informed decisions regarding our forest resources leading to greater sustainability. | Forest industry implements more quality control and improvement programs |
| Despite its significant economic contribution Kentucky's Forest Industry is generally unacknowledged. |                                                                 |
| Kentucky's private forests are generally unmanaged.                 |                                                                 |
| The Master Logger provides education for loggers in Kentucky.        |                                                                 |
| All commercial timber harvests require a Master Logger to be on-site and in charge. |                                                                 |
| Enhanced forest management and utilization will improve the quality and quantity of forest resources which can benefit all Kentuckians. |                                                                 |

| External Factors                                                                 |
| Invasive species, wildfire, climate change, urban expansion, aging owners, and changing policies/regulations have a significant impact on forest management and utilization and the critical services forests provide. |
| Kentucky’s forest industry is subject to significant external and economic pressures largely beyond their control. |

**Situation**
Forests, also called woodlands, cover 48% of Kentucky and are mostly privately owned. These forests provide numerous environmental benefits such as improved air, water, and wildlife habitat. Our forests also contribute significantly to our economy with a Kentucky forest industry who employs approximately 60,000 and contributes more than $13 billion annually to the Kentucky economy. Kentucky’s forests can be healthier and more productive by implementing sustainable forest management and utilization practices.

**Assumptions**
- Many individuals have limited knowledge regarding forests, their value, and how to manage and sustainably utilize this vital resource.
- Sharing research based information and educational programs facilitates informed decisions regarding our forest resources leading to greater sustainability.
- Despite its significant economic contribution Kentucky's Forest Industry is generally unacknowledged.
- Kentucky's private forests are generally unmanaged.
- The Master Logger provides education for loggers in Kentucky. All commercial timber harvests require a Master Logger to be on-site and in charge.
- Enhanced forest management and utilization will improve the quality and quantity of forest resources which can benefit all Kentuckians.

**Outputs – Impact**

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<tr>
<th>Short Term!</th>
<th>Medium Term!</th>
<th>Long Term!</th>
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</thead>
<tbody>
<tr>
<td>Environmental, social, and economic importance of trees</td>
<td>Forest health, management and utilization activities/practices that support sustainable forests are implemented</td>
<td>Kentucky's trees and forests are better protected and managed</td>
</tr>
<tr>
<td>Threats facing forests and their utilization</td>
<td>Individuals and policy makers make more informed decisions regarding managing and utilizing forest resources</td>
<td>Kentuckians have an enhanced ability to address a variety of forest health, management and utilization related issues, resulting in:</td>
</tr>
<tr>
<td>Laws impacting forest health, management and utilization</td>
<td>Sources of forest health, management and utilization assistance management</td>
<td>increased revenue, increased forest productivity, and improved forest health</td>
</tr>
<tr>
<td>Timber harvest operations abide by all laws and regulations</td>
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<td>Forest industry implements more quality control and improvement programs</td>
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<td>healthier forests, improved water quality, and increased revenue</td>
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**Logic Model**

- **Inputs**
  - County Extension Agents
  - Extension Specialists
  - Extension Associates
  - State Agency Partners
  - Federal Agency Partners
  - Non-Government Organizations
  - Facilities
  - Financial Support

- **Activities**
  - Newsletters
  - Radio/TV/News-papers
  - Social Media
  - Publications
  - Webinars
  - Workshops
  - Field days
  - Technical trainings
  - Internet resources

- **Participants**
  - General Public
  - Forest owners
  - Farmers
  - Loggers
  - Forest Industry
  - Volunteers
  - Forestry and Natural Resource Professionals
  - Elected officials
  - Community Leaders
  - Cooperative Extension

- **Outputs**
  - Change in awareness and understanding of:
  - Environmental, social, and economic importance of trees
  - Threats facing forests and their utilization
  - Laws impacting forest health, management and utilization
  - Sources of forest health, management and utilization assistance management
  - Forest health, management and utilization practices

- **Outcomes – Impact**
  - Short Term: Enhanced forest, management, and utilization practices
  - Medium Term: Forest health, management and utilization activities/practices that support sustainable forests are implemented
  - Long Term: Kentucky's trees and forests are better protected and managed

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**Outcomes – Impact**
- **Short Term!**
  - Enhanced forest, management, and utilization practices
- **Medium Term!**
  - Forest health, management and utilization activities/practices that support sustainable forests are implemented
  - Individuals and policy makers make more informed decisions regarding managing and utilizing forest resources
  - Timber harvest operations abide by all laws and regulations
  - Forest industry implements more quality control and improvement programs
- **Long Term!**
  - Kentucky's trees and forests are better protected and managed
  - Kentuckians have an enhanced ability to address a variety of forest health, management and utilization related issues, resulting in:
    - Increased revenue
    - Increased forest productivity
    - Improved forest health
  - Kentucky's forests ecosystem and economic values are enhanced, resulting in:
    - Healthier forests
    - Improved water quality
    - Increased revenue