# Urban Wood Utilization for a Healthy Community

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#### **Georgia Urban Forest Council Annual Conference**

November 4, 2015

Savannah, GA





# **Presentation Overview**

#### SCOPE and AIM

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BACKGROUND

RESEARCH

LOOK AHEAD

**SUMMARY** 

- features and benefits of utilization
- recent research findings

#### BACKGROUND

- how utilization is practiced
- why utilization matters

#### RESEARCH

- utilization practices
- utilization perceptions

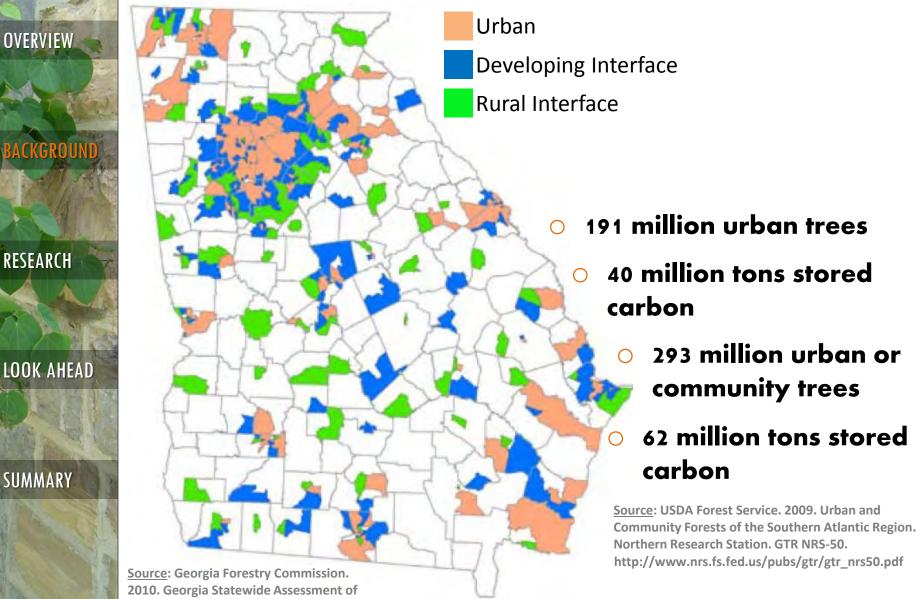
#### LOOK AHEAD

- hypotheses to be tested
- capabilities to be developed

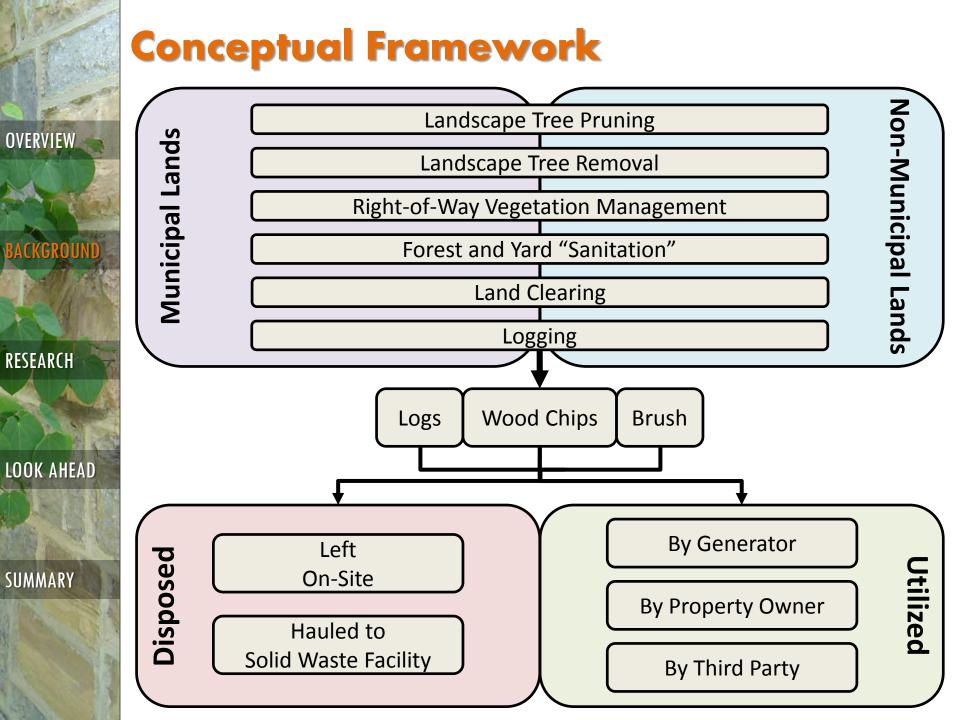
- your questions
- your comments

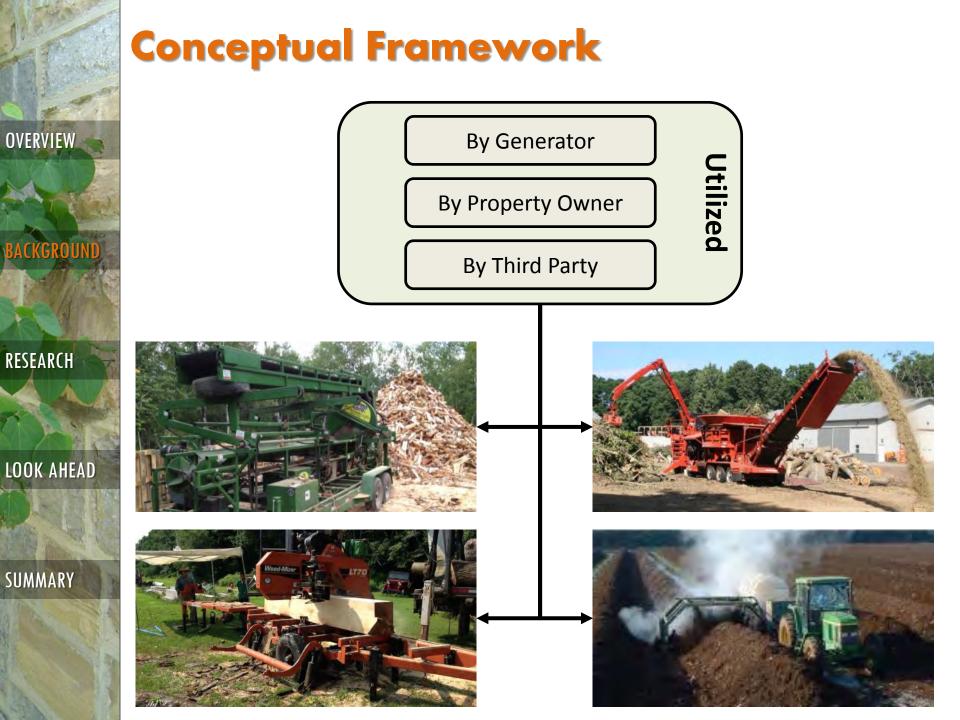


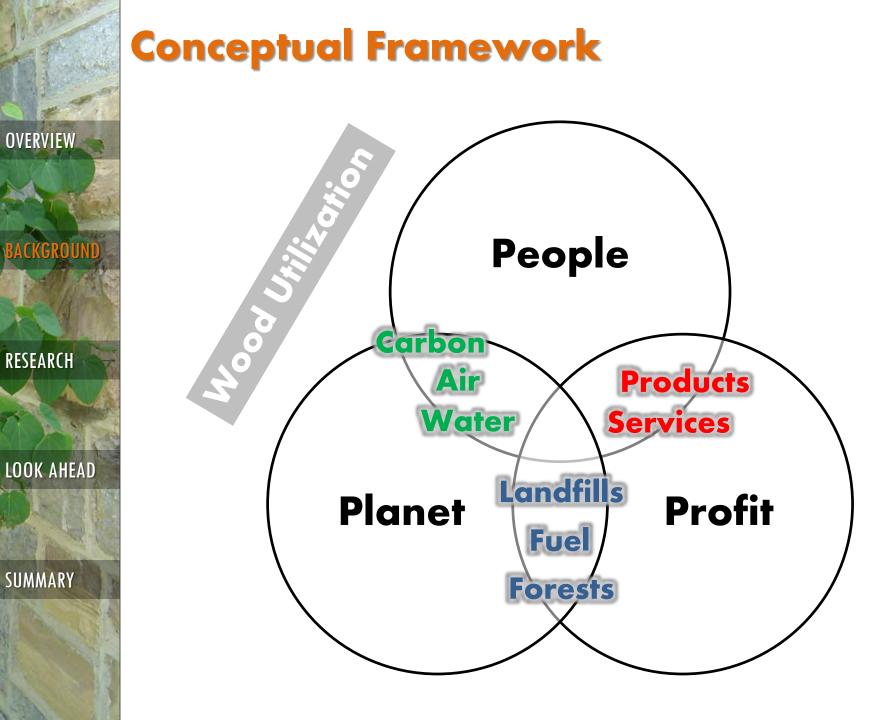
### **Community Forestry Areas**

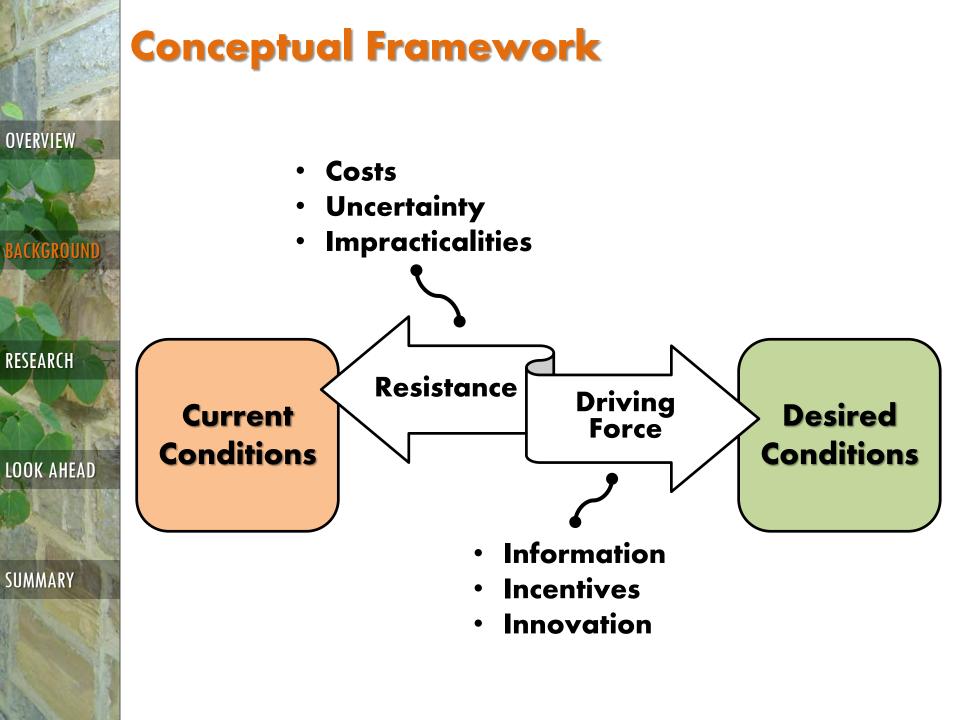


Forest Resources. http://www.gatrees.org/about-us/strategic-plan/GAStateAssessment-6-17-10.pdf









### **Research Questions**

**OVERVIEW** 

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- Where does urban forest waste (UFW) come from?
- Where does urban forest waste (UFW) end up?
- What urban forest products (UFPs) are made from urban forest waste (UFW)?
  - What do the people involved with the generation and utilization of UFW think about it?



#### **Research Methods**

**Tree Care Companies** 

Landscape Companies

Institutions and NGOs

OVERVIEW

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FRTIFIF

ARBORIST



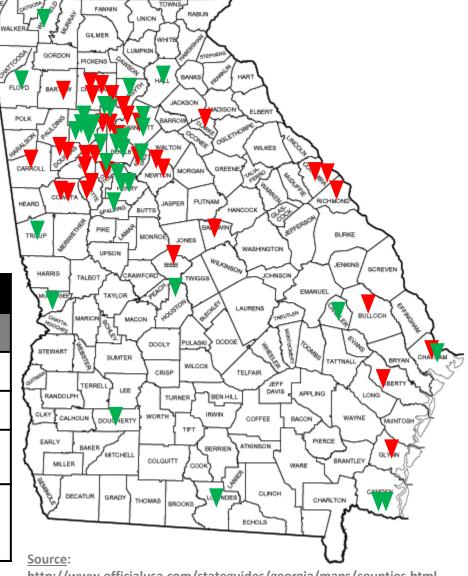
- Municipal Arborists
- Municipal Foresters
- Public Works Administrators
- Solid Waste Administrators

### **Research Methods**



#### MUNICIPALITIES

	City	County	Consolidated
Invited	48	16	4
Responded	28	5	1
Response Rate	58%	31%	25%
Overall Response Rate			50%



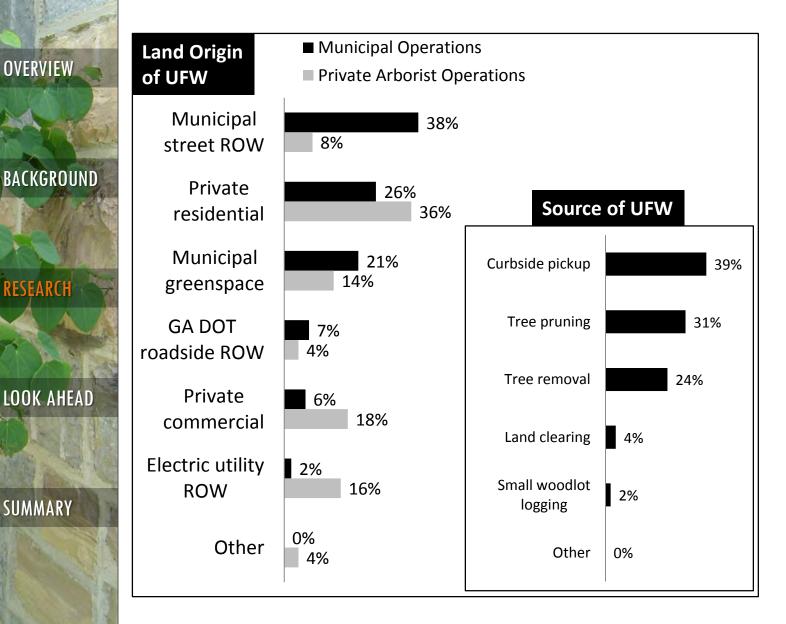
http://www.officialusa.com/stateguides/georgia/maps/counties.html

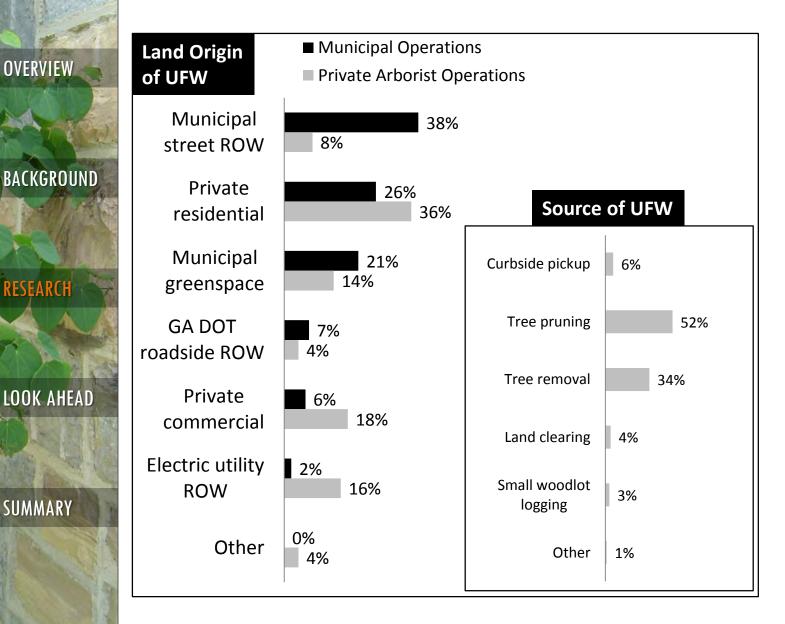
#### BACKGROUND

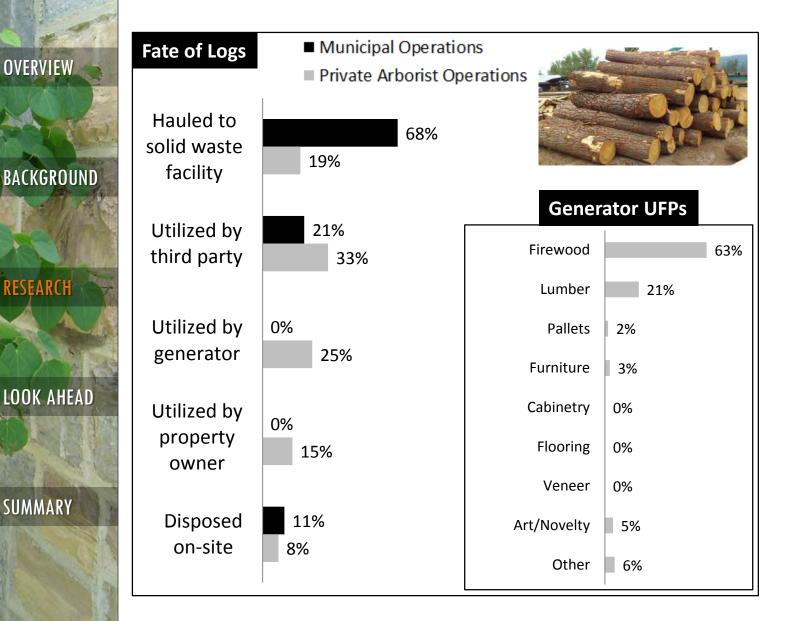
**OVERVIEW** 

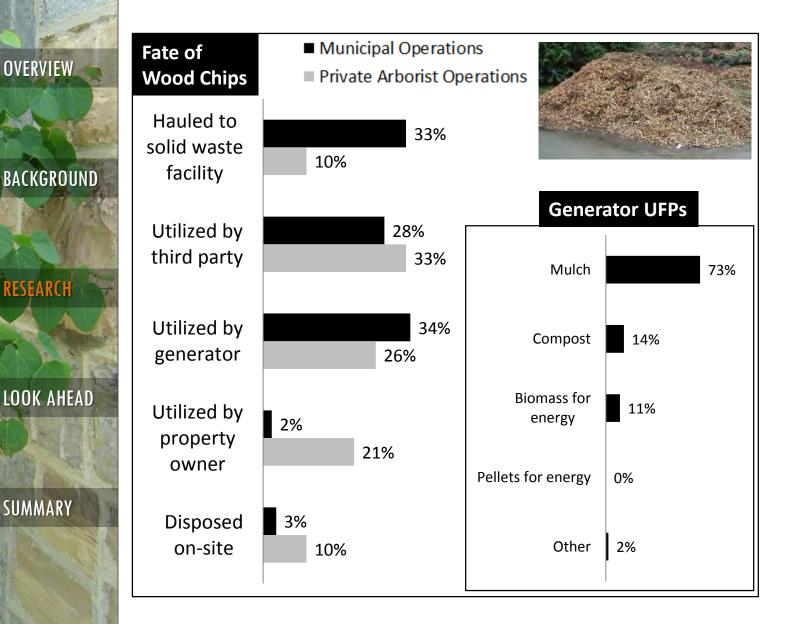
#### RESEARCH

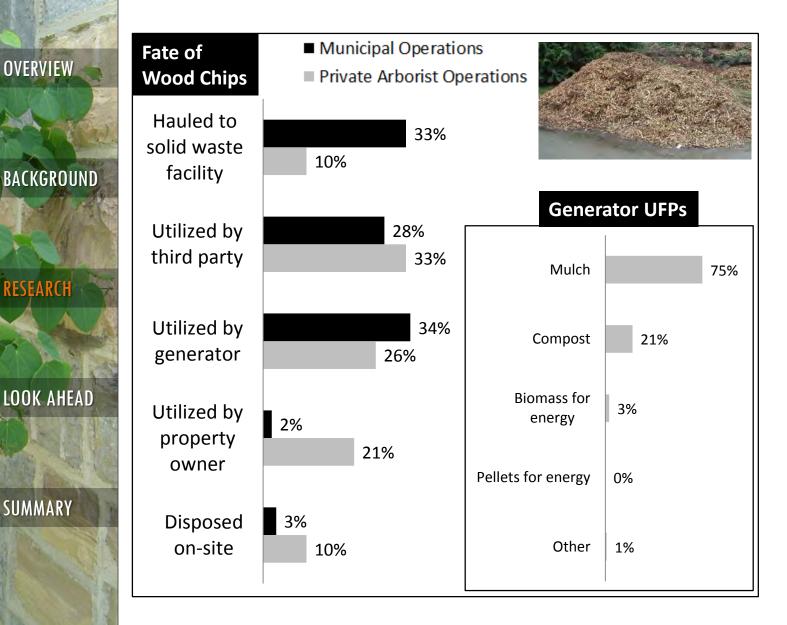
LOOK AHEAD





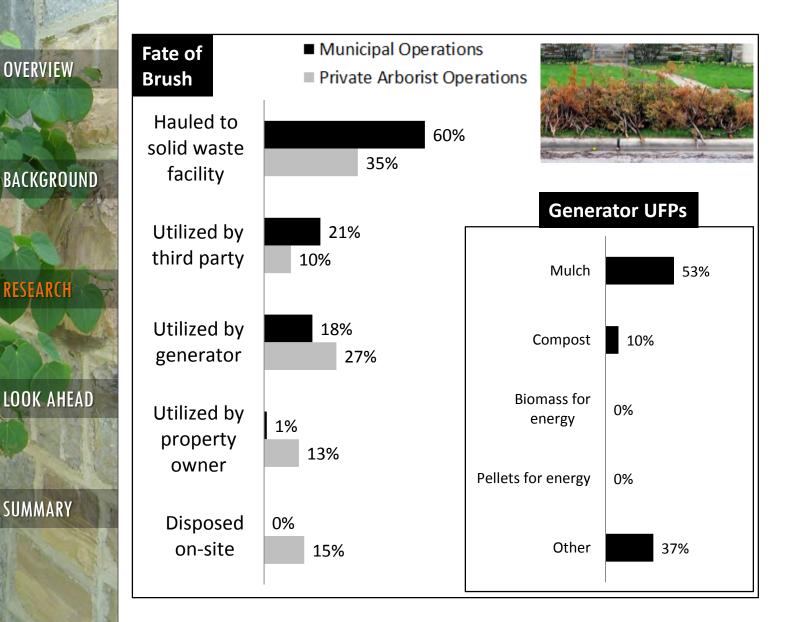






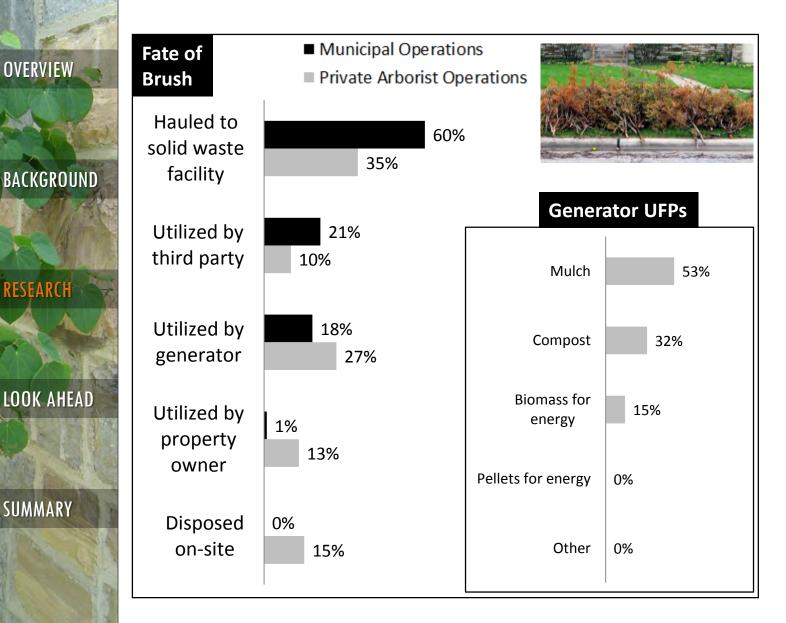
OVERVIEW

RESEARCH



OVERVIEW

RESEARCH



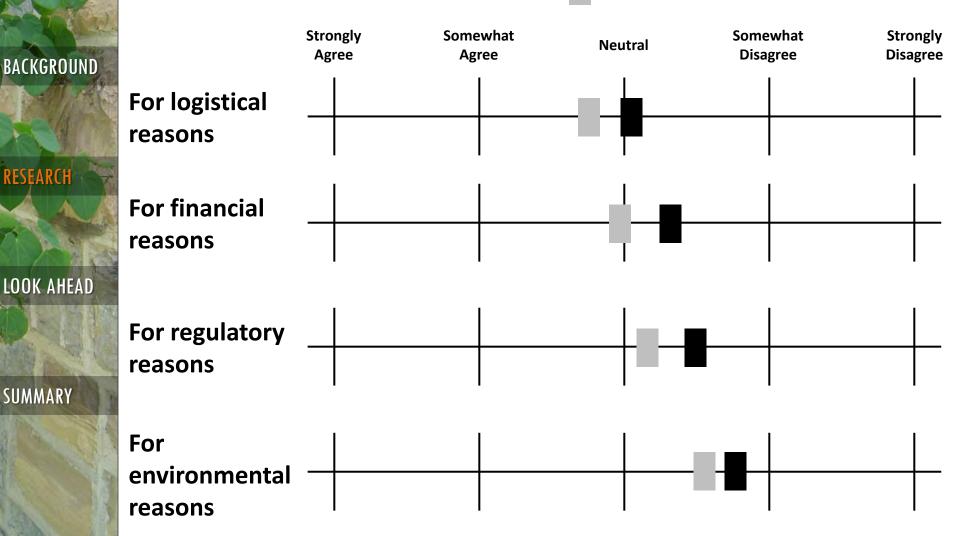
### **Urban Forest Waste Perceptions**

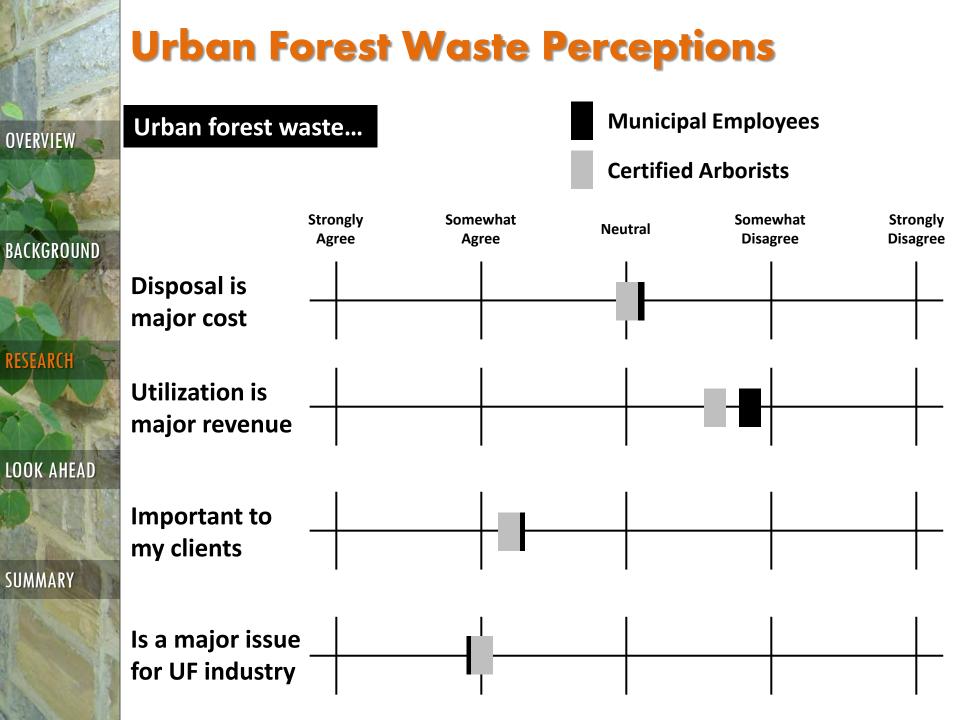
My operation seeks to increase UFW utilization...

OVERVIEW

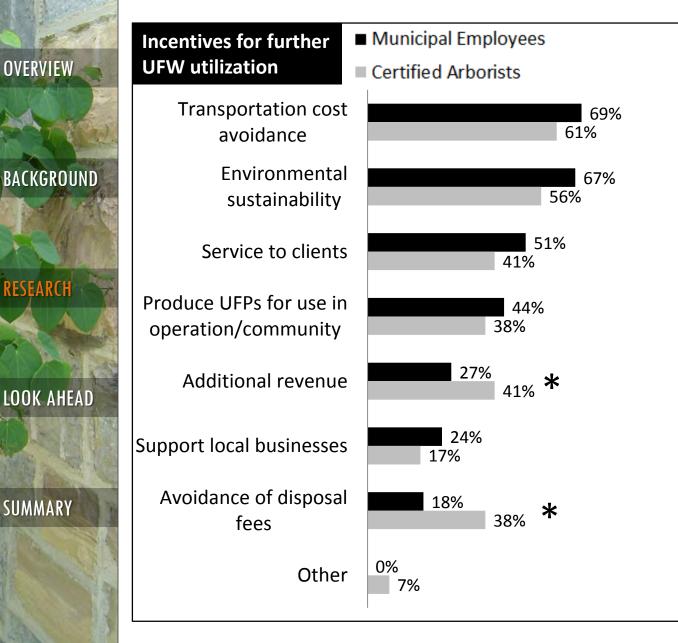
Municipal Employees

**Certified Arborists** 





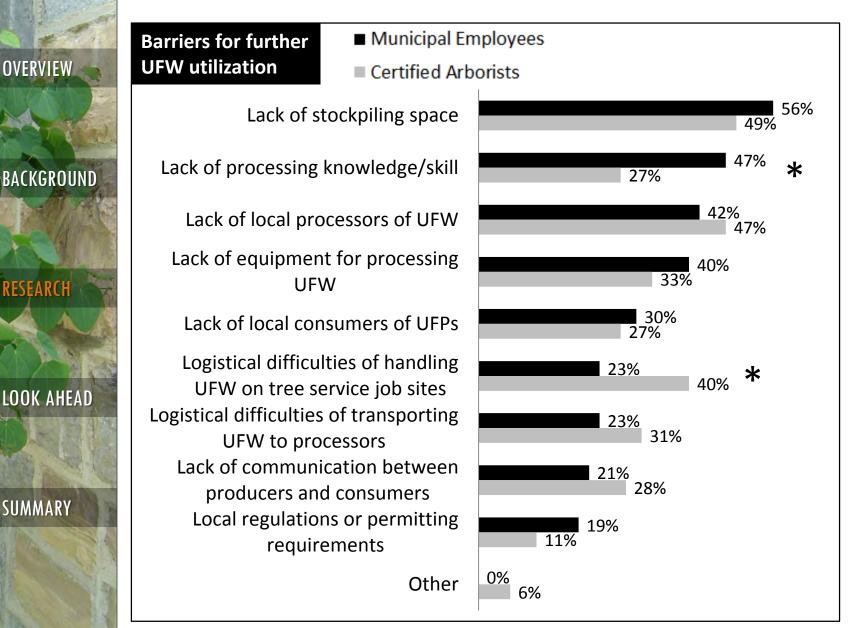
#### **Urban Forest Waste Perceptions**



### **Urban Forest Waste Perceptions**

OVERVIEW

RESEARCH





OVERVIEW

# Hypotheses to be tested

- Is wood truly under-utilized?
- How much carbon can be offset by wood utilization?
- Is wood utilization better or worse for air quality?
- What is the economic impact of utilization?



# **Capabilities to be developed**

 Mensuration and procurement of urban wood

**OVERVIEW** 

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- Practical ways to transport, stockpile, and sort urban wood
- Technologies to connect urban wood generators and consumers
- Marketing campaigns for urban wood products
- Investment to support start-up companies and innovative solutions to utilization barriers



## Your questions and comments

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LOOK AHEAD

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**OVERVIEW** 

BACKGROUND

VirginiaTech College of Natural Resources and Environment



FOREST SERVICE USA