A Survey on Household Recycling and Reuse of Wood from Neighborhood Trees

This survey was developed by Dr. Mikaela Schmitt-Harsh at James Madison University and Dr. Eric Wiseman at Virginia Tech, with input provided by the Virginia Department of Forestry and the cities where the survey is being administered.

Below is an outline of your rights as a study participant.

Research Procedures

This survey is being sent to a sample of households in the cities of Harrisonburg and Lynchburg. The survey asks questions related to your household recycling practices and your opinions about wood products from recycled neighborhood trees.

Time Required

Participation in this study will require approximately 10 to 15 minutes of your time.

Risks

There are no risks beyond the risks associated with everyday life.

Benefits

There is no direct benefit to you as a participant of this study; however, your participation will be beneficial to the success of this project. We will analyze and summarize survey responses in a report to city staff. These study findings will also be shared with the Virginia Department of Forestry (VDOF) and Virginia Cooperative Extension (VCE) to help in their education assistance efforts.

Confidentiality

Results of this study will be included in a summary report that will be distributed to cities and other stakeholder groups. All individual survey responses will be combined and no personally identifiable information will be included in the summary report. All data will be stored in a secure location accessible only to the researchers. The researchers retain the right to use and publish non-identifiable data.

Participation amd Withdrawal

Your participation is entirely voluntary. You are free to choose not to participate. Should you choose to participate, you can withdraw at any time without consequences.

Questions about the Study

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Questions about Your Rights as a Study Participant

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Giving of Consent

I have read this cover letter and I understand what is being requested of me as a participant in this study. I freely consent to participate. I am at least 18 years of age.

By selecting "yes", I give consent to my participation in this survey.

O yes O no

My unique 5-digit access code for this survey is:

(Note: this code is printed on either the letter or postcard you received.)

Section 1. Background Property Information.

This section asks questions about the property to which this survey was mailed (from this point forward referred to as "this property").

iiis pi	operty).	O 6 - 10 years
1. Fo	r this property, I am the:	O 11 - 15 years
0	Owner	O 16 - 20 years
0	Renter	O 21 - 25 years
0	Other, please specify:	O > 25 years
	• •	O Do not wish to disclose
2. Wl	hen was this property developed or the house built?	
0	I don't know	Section 2. Household Recycling.
0	Before 1950s	This section asks about your participation in, and thoughts
0	1950s	about, general household recycling.
0	1960s	4. Thinking of all the materials that can be recycled in you
0	1970s	community, how would you generally characterize your
0	1980s	participation in recycling of household items?
0	1990s	O Always
0	2000s	O Often
0	2010s	O Sometimes
		O Rarely
		O Never

3. How long have you lived at this property?

< 1 year1 - 5 years

5. How often does your household recycle the following items, either on this property or at a recycling center?

	Always	Often	Some- times	Rarely	Never: Didn't know was possible	Never: Cost prohibitive	Never: Not interested
Paper (magazines, white and colored paper, junk mail, newspapers, paper bags)	0	0	0	0	0	0	0
Cardboard boxes	0	0	0	0	0	0	0
Plastic containers and bottles	0	0	0	0	0	0	0
Plastic bags	0	0	0	0	0	0	0
Aluminum/steel/tin cans	0	0	0	0	0	0	0
Glass bottles and jars	0	0	0	0	0	0	0
Batteries	0	0	0	0	0	0	0
Old or unused electronics	0	0	0	0	0	0	0
Food waste	0	0	0	0	0	0	0
Grass clippings (mulched or composted)	0	0	0	0	0	0	0
Leaves (mulched or composted)	0	0	0	0	0	0	0
Wood from tree trunks and branches	0	0	0	0	0	0	0

O I do not recycle.							
O I pay a recycling company to pick up materials for recycling.							
O The municipality picks up mate	O The municipality picks up materials for recycling along with my household trash.						
O I take materials to a municipal	drop-off location	on for recycli	ng (central la	andfill, red	cycling dumps	ter, etc.).	
O I take materials to a commercia	ıl drop-off locai	tion for recyc	cling (Home l	Depot, Be	st Buy, Target,	etc.).	
O I take materials to a non-profit	drop-off locati	on for recycl	ing (Goodwil	ll, religiou	s facility, etc.)		
O Other, please specify:	_			C	•		
	.1 .1 .6 .11 .		1 .1 1	11	. 1 1		•.
7. Indicate your level of agreement with	th the following	g statements :	about househ	iold recyc	ling and recycl	ling in your c	ommunity.
		Strongly agree	Agree	: N	Jeutral I	Disagree	Strongly disagree
Recycling is good for the	environment.	0	0		0	0	0
Recycling is good for	the economy.	0	0		0	0	0
Recycling is im	portant to me.	0	0		0	0	0
Recycling is important	t to my family.	0	0		0	0	0
Recycling is important to my friends.		0	0		0	0	0
It is important to me to purchase recy	cled products.	0	0		0	0	0
It is important to me that my mun	nicipality has a cling program.	0	0		0	0	0
I am satisfied with the current recy provided by my		0	0		0	0	0
8. How often does your household pur	rchase the follo	wing items?					
	.,	0.6	Some-	D 1	Never: Unfamiliar	Never: Item is too	Never: Not interested
	Always	Often	times	Rarely	with item	costly	in item

6. If you recycle household items, how do you recycle them? Please mark all that apply.

	Always	Often	times	Rarely	with item	costly	in item
Paper from recycled materials	0	0	0	0	0	0	0
Cleaning supplies that are ecofriendly	0	0	0	0	0	0	0
Food that is organically sourced	0	0	0	0	0	0	0
Second-hand furniture (tables, couches)	0	0	0	0	0	0	0
Second-hand clothing and footwear	0	0	0	0	0	0	0
Second-hand electronics	0	0	0	0	0	0	0
Scrap lumber		0		0	\circ	0	0

Section 3. Yard and Woodlot Trees.

This section asks about existing trees on this property, and instances where trees have been removed and recycled in the past.

9.	Are	there	existing	trees	on	this	property?
	0	Yes					

O No (If you select No, please skip to question 12)

10. Please estimate the number of exist that are in maintained portions of t	ng yard and he landscape.	woodlot trees Woodlot tre	s on this property. es are a clump of t	(Note: For our rees growing w	purposes, yard t ild away from th	rees are those e dwelling.)
	0 trees	1 to 5	6 to 10	> 10	I don't know	
Yard trees	0	0	0	0	0	
Woodlot trees	0	0	0	0	0	
11. Indicate your level of agreement with	h the followi	ng statement	s.			
		Strongly agree	y Agree	Neutral	Disagree	Strongly disagree
Having trees on this property decision	influenced mon to live here		0	0	0	0
I care about the well-bei	ng of the tree this property		0	0	0	0
I invest time to maintain trees on	this property	7.	0	0	0	0
I invest money to maintain trees on	this property	7. 0	0	0	0	0
O I don't know (If you select I do 13. Please estimate the number and kin	_			property durin 6 or more trees	g your time resid I don't recall if these were removed	
Hardwood trees (oak, map	le, ash, etc.)	0	0	0	0	
Evergreen trees (pine, spruce	, cedar, etc.)	0	0	0	0	
Fruit or ornamental trees (cherry, do	gwood, etc.)	0	0	0	0	
Other ty	pes of trees	0	0	0	0	
14. Why have trees been removed from <i>Please mark all that apply.</i>	this property	r?	15. How have tre Please mark a		d from this prop	erty?
O Trees were undesirable due to e (unwanted litter, shade, branch					moved the tree(so remove the tre	•
O Trees had a disease or pest				neighbor remov		~(0)
O Trees were dead					OF removed the	
O Trees were storm damaged				ong the street r		
O Trees were dangerous				company remov		
O Trees were invasive			_	tility right-of-wease specify:	ay	
			Other, pr	cuse specify. —		

	Always	Often	Sometimes	Rarely	Never
Discarded on property	0	0	0	0	0
Burned on-site to dispose of it	0	0	0	0	0
Firewood for heating on-site	0	0	0	0	0
Chipped and used as mulch on-site	0	0	0	0	0
Used as lumber on-site	0	0	0	0	0
Hauled to landfill by you or a friend	0	0	0	0	0
Tree removal contractor hauled it away	0	0	0	0	0
Logger or woodworker hauled it away	0	0	0	0	0
Municipality hauled it away	0	0	0	0	0

17. When trees were most <u>recently removed</u> from this property, how much consideration did you give to the following factors in deciding what to do with the wood?

	Definitely considered	Somewhat considered	Did not consider	I don't recall
Income potential	0	0	0	0
Environmental impact	0	0	0	0
Cost of disposal	0	0	0	0
Convenience	0	0	0	0
Space to stockpile wood	0	0	0	0
Means to handle or transport wood	0	0	0	0
Quality of the wood	0	0	0	0
Personal interest in wood use	0	0	0	0
Availability of a logger or woodworker to process wood	0	0	0	0
Recycling options of the municipality	0	0	0	0

18. At the ti	me that trees	were remo	ved from	this	property,	did
you con	sider recyclin	g the wood	1?			

0	Definitely	considered
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- O Somewhat considered
- O Did not consider (If you select Did not consider, please skip to question 21)
- O I don't recall (If you select I don't recall, please skip to question 21)

19.	. If you considered recycling the wood from trees removed
	from this property, where did you seek information or
	assistance in making your decision about what to do with the wood? <i>Please mark all that apply.</i>
	O I did not seek information or assistance

0	I did not seek information or assistance
0	The municipality
0	A logger, woodworker, or other business entity
0	The Virginia Department of Forestry (VDOF)
0	The Virginia Cooperative Extension (VCE) service
0	Friends or family
0	The internet
\cap	Other please specify:

20. How satisfied were you with your options to recy	cle wood from t	trees removed fro	om this propert	ey?	
O Very satisfied O Somewhat satisfied	O Neutral	O Somewh	at dissatisfied	O Very u	ınsatisfied
21. If there were trees on this property that needed to the wood?	be removed <u>in</u>	the future, how	likely would yo	ou be to seek ou	at recycling of
O Very likely O Somewhat likely	O Uncertain	O Somewh	at unlikely	O Very u	ınlikely
22. If there were trees on this property that needed to factors be to you in seeking out recycling of the v		the future, how	important wou	ld each of the f	following
	Very important	Somewhat important	Neutral	Somewhat unimportant	Very unimportant
Timely removal of the wood from this property		0	0	0	0
Free curbside pick-up of the wood by the municipality		0	0	0	0
Reduced disposal cost at the landfil	0	0	0	0	0
A contact list for local businesses that haul or mill wood		0	0	0	0
Getting paid for the wood	0	0	0	0	0
Getting a share of the wood products		0	0	0	0
Supporting the local wood craft industry	0	0	0	0	0
Keeping wood out of the landfil	0	0	0	0	0
Guidance from the municipality	0	0	0	0	0
Guidance from the state forestry departmen and/or extension service		0	0	0	0
Access to information about wood recycling on the interne		0	0	0	0
Section 4. Municipal Tree Recycling. This section asks about your household's use of production your municipality. 23. Indicate your level of agreement with the followin "Wood from street trees, park trees, and other neithan disposed of in a landfill." O Strongly agree O Agree O Ne	ng statement: ghborhood tree	s should be recyc	-	cts rather	ling programs

purchase them? Very likely		Several times per year	Once a year	Once every few years	Once	Never
Compost Lumber Cabinetry Furniture Flooring Artisanal items (frames, bowls, sculptures, etc.) Somewhat Very likely Firewood Mulch Compost Compost Compost Firewood Mulch Compost	Firewood	0	0	0	0	0
Lumber O O O O O O O O O O O O O O O O O O O	Mulch	0	0	0	0	0
Cabinetry	Compost	0	0	0	0	0
Furniture Flooring O O O O O O O O O O O O O O O O O O O	Lumber	0	0	0	0	0
Flooring	Cabinetry	0	0	0	0	0
Artisanal items (frames, bowls, sculptures, etc.) 5. If the following products made from recycled trees originating in your community were available, how likely were purchase them? Very likely Somewhat Unsure Somewhat Unsure Unsure	Furniture	0	0	0	0	0
Somewhat Somewhat Unsure Somewhat Unsure Unsure Unsure Somewhat Unsure Un	Flooring	0	0	0	0	0
purchase them? Very likely Somewhat Unsure Somewhat Unsure Uns		0	0	0	0	0
Firewood O O O O O O O O O O O O O O O O O O		m recycled trees	originating in	your communit	<u>y</u> were availabl	e, how likely wo
Mulch O O O O O O O O O O O O O O O O O O O		Very likely		Unsure		Very unlikely
Compost Lumber Cabinetry Cabinetry Furniture Flooring Artisanal items (frames, bowls, sculptures, etc.) Compost	Firewood	0	0	0	0	0
Lumber O O O O O O O O O O O O O O O O O O O	Mulch	0	0	0	0	0
Cabinetry O O O O O O O O O O O O O O O O O O O	Compost	0	0	0	0	0
Furniture O O O O O O O O O O O O O O O O O O O	Lumber	0	0	0	0	0
Flooring O O O O O O O O O O O O O O O O O O O	Cabinetry	0	0	0	0	0
Artisanal items (frames, bowls, sculptures, etc.) 26. If you wish, please share additional thoughts below about your personal experience with recycling wood from ne trees and/or your interest in wood recycling programs in your municipality.	Furniture	0	0	0	0	0
sculptures, etc.) 6. If you wish, please share additional thoughts below about your personal experience with recycling wood from ne trees and/or your interest in wood recycling programs in your municipality.	Flooring	0	0	0	0	0
		0	0	0	0	0
	trees and/or your interest in wood				e with recyclin	g wood from ne

33. Is English your first language? Section 5. Participant Information. This final section asks for general demographic information O Yes to better understand our survey participants. No personally O No identifiable information is collected here. Only aggregated results O Do not wish to disclose will be presented in our final summary report. 34. What is the highest level of education you have had the 27. Including yourself, how many people live in your opportunity to complete? household? O Less than high school O High school graduate Some college 28. How many in your household are under the age of 18? O 2-year degree O 4-year degree O Graduate/Professional degree 29. What is your age? O Doctorate O Under 25 O Do not wish to disclose O 26 to 34 O 35 to 44 35. What was your household's annual income in 2017 from all earners and all sources, before taxes? O 45 to 54 O 55 to 64 O \$15,000 or less O 65 or older O \$15,001 - \$25,000 O Do not wish to disclose O \$25,001 - \$35,000 O \$35,001 - \$50,000 30. Which gender do you most identify with? O \$50,001 - \$75,000 O Male \$75,001 - \$100,000 O Female O \$100,001 - \$150,000 O Other ____ O Greater than \$150,000 O Do not wish to disclose O Do not wish to disclose 31. Are you of Hispanic, Latino, or Spanish origin? O Yes O No O Do not wish to disclose

32. Which of the following describes your race?

O American Indian or Alaska Native

O Native Hawaiian or Pacific Islander

O Black or African American

Other, please specify: __Do not wish to disclose

Select all that apply.

O White

O Asian

Thank you for taking the time to respond to this survey. A summary of the survey data will be shared with the municipality and other stakeholders. All survey responses will be aggregated in the analysis with no identifying information present in the summary report.