

Taming Bigfoot

Final Results
&
Awards Ceremony





Thank You!!!

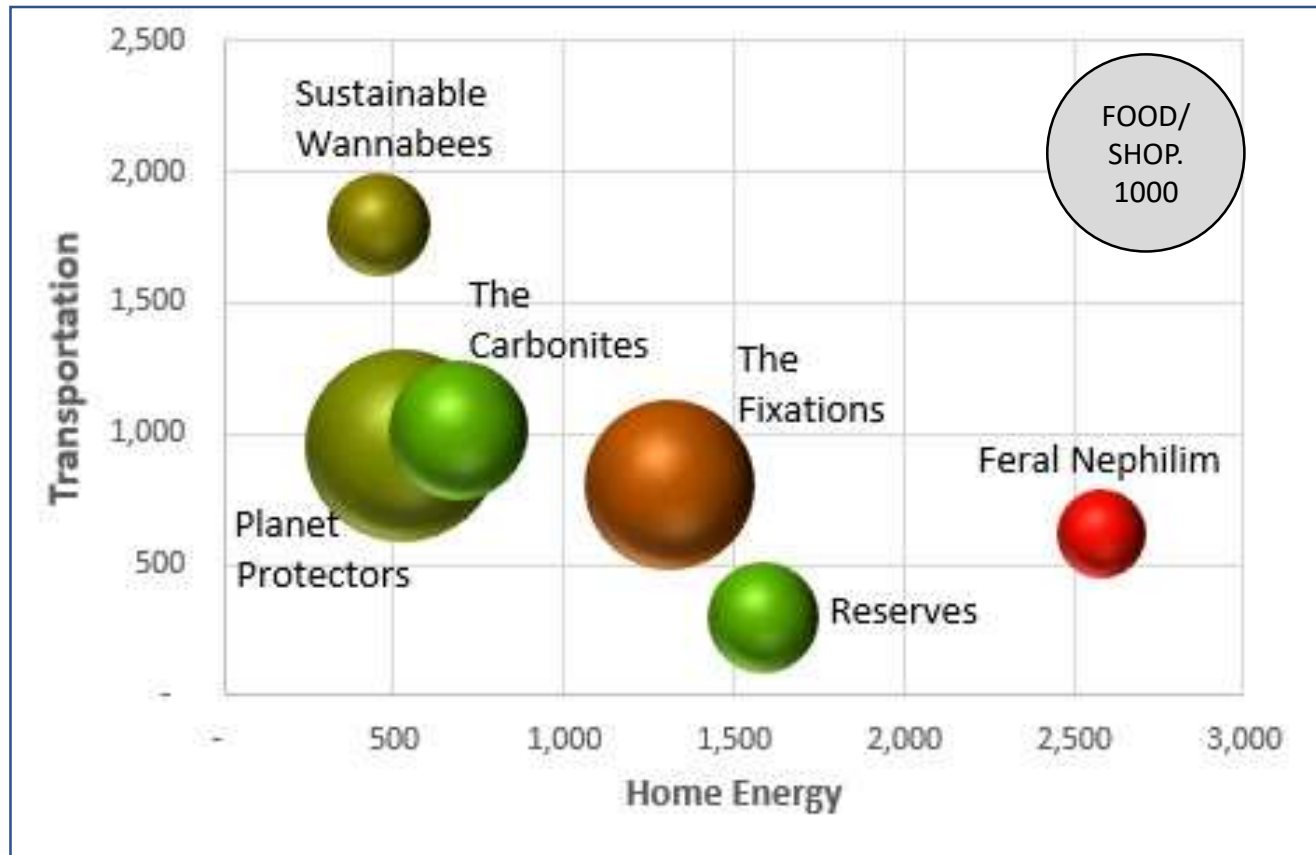
from Cindy Jayne
Laura Tucker
Janis Inman
Polly Lyle (aka Bigfoot)
Bob Bindschadler

What Will Be Covered Tonight

- Final Results of YOUR data
- Comparison with 2016 competition
- Distribution of individual footprints
- Taming Bigfoot and the Jefferson County Greenhouse Gas Inventory
- Carbon footprints of different resident “types”
- Breakouts to discuss what was learned
- Share lessons learned
- Awards presentations
- How to get involved
- Final Remarks



Final February Team Footprints (lb. CO₂e)



Overall

1500

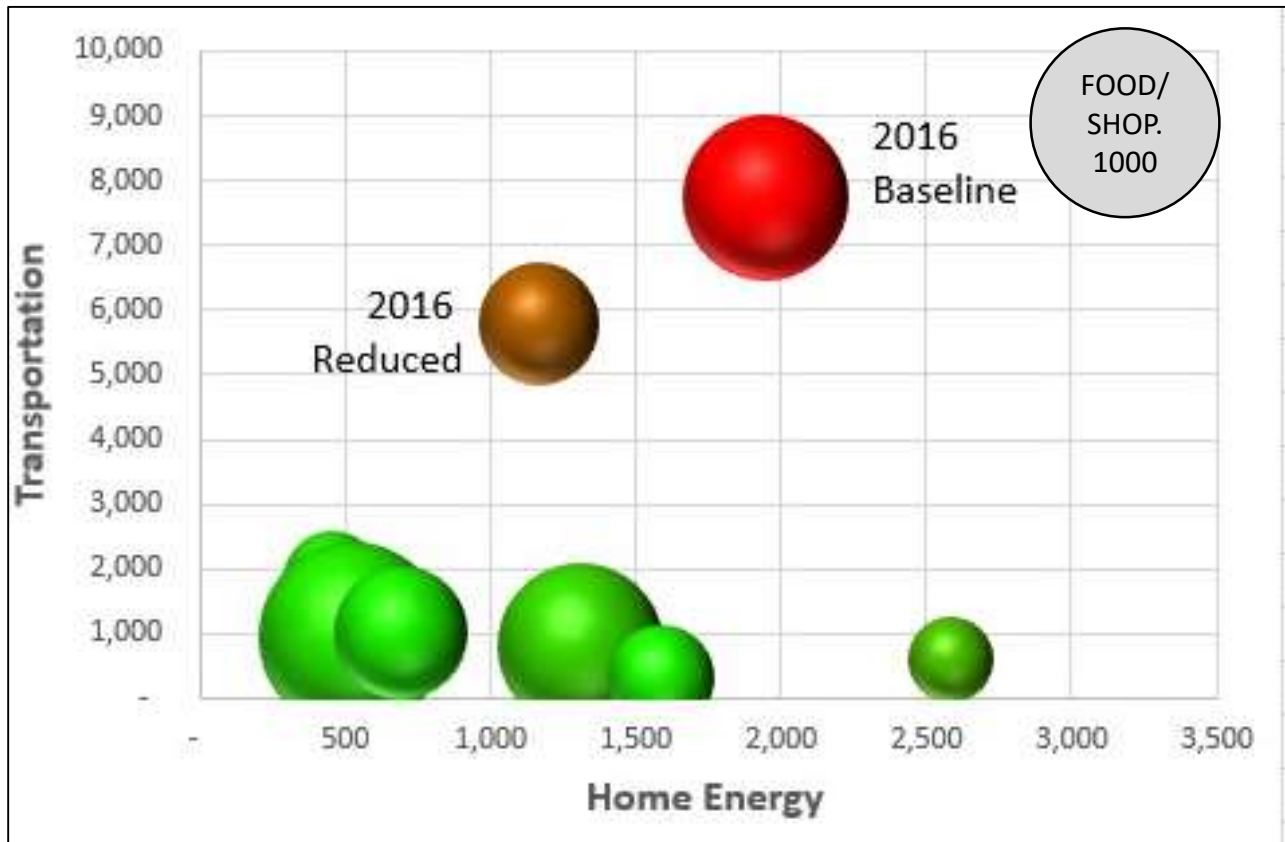
2000

2500

3000

3500

Comparison with 2016 Footprints



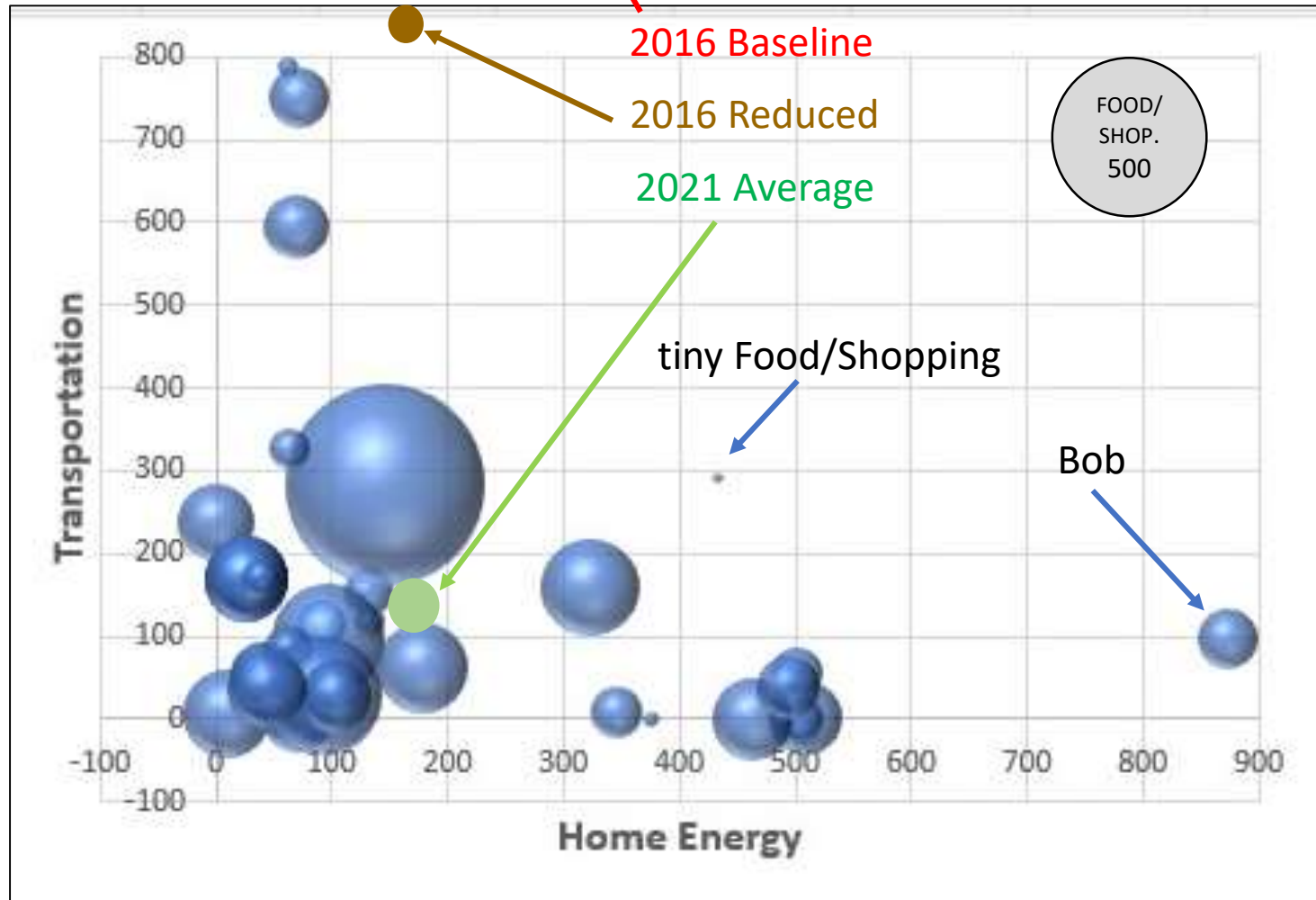
Overall 1500

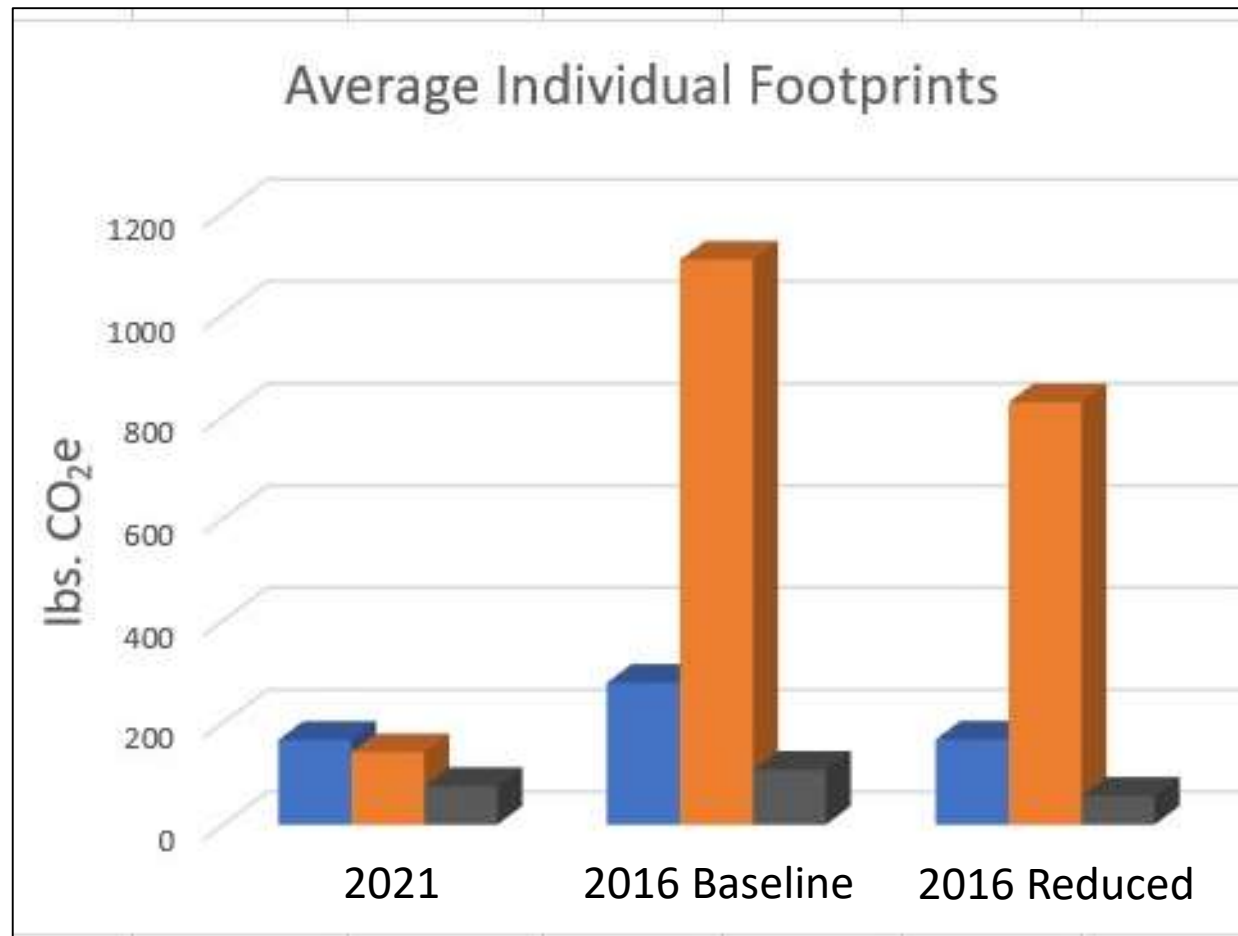
3500

5000

10,500


Individual Footprints

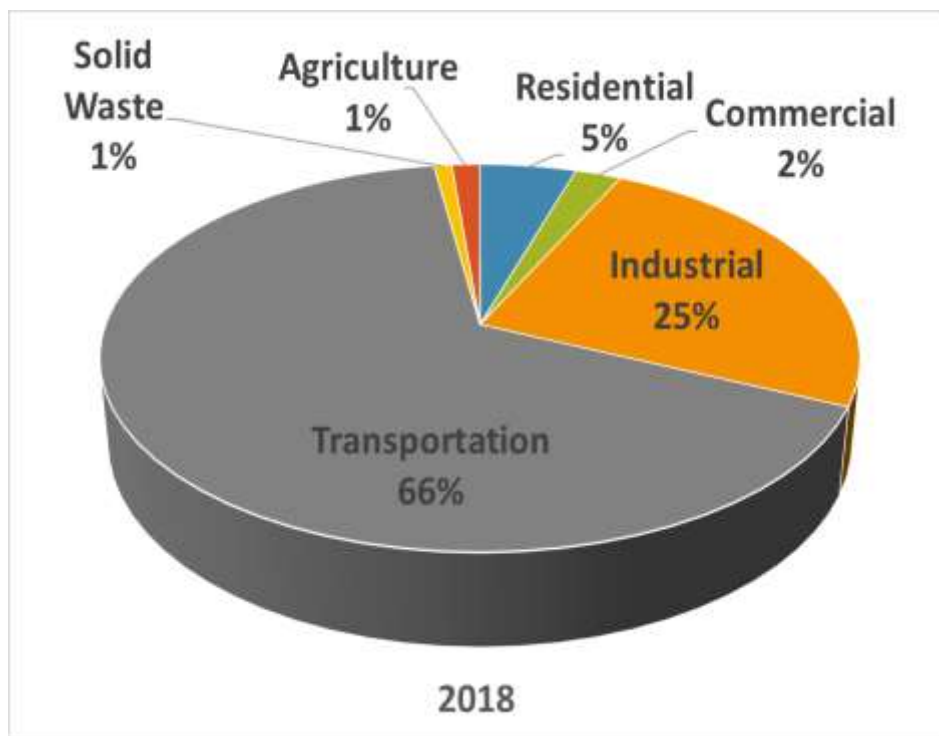




Individual Carbon Footprints	2021 Average	% of total	2016 Baseline	% of total	2016 Reduced	% of total
Home	166.2	43%	278.2	19%	166.8	16%
Transportation	141.8	37%	1106.1	74%	827.3	79%
Food/Shopping	75.7	20%	107.7	7%	56.9	5%
Overall	383.8	100%	1492.0	100%	1051.0	100%

Taming Bigfoot and the Jefferson County Greenhouse Gas Inventory

- In 2016 Taming Bigfoot data, transportation  dominated (and was clearly less in 2021)
- Jefferson County inventory, 2018:



Home Energy



- We saw in the TB2021 data that home energy emissions were driven by use of wood/propane/fuel oil versus electricity for heating
- From 2018 Inventory:

CO2e (metric tons)		CO2e % of total	MMBTU*	CO2e lbs/MMBTU
Wood	2,729	21%	273,949	22
Propane	6,117	46%	98,561	137
Fuel Oil	1,827	14%	24,888	162
Electricity	2,608	20%	760,654	8
Total	13,281	100%	1,158,052	

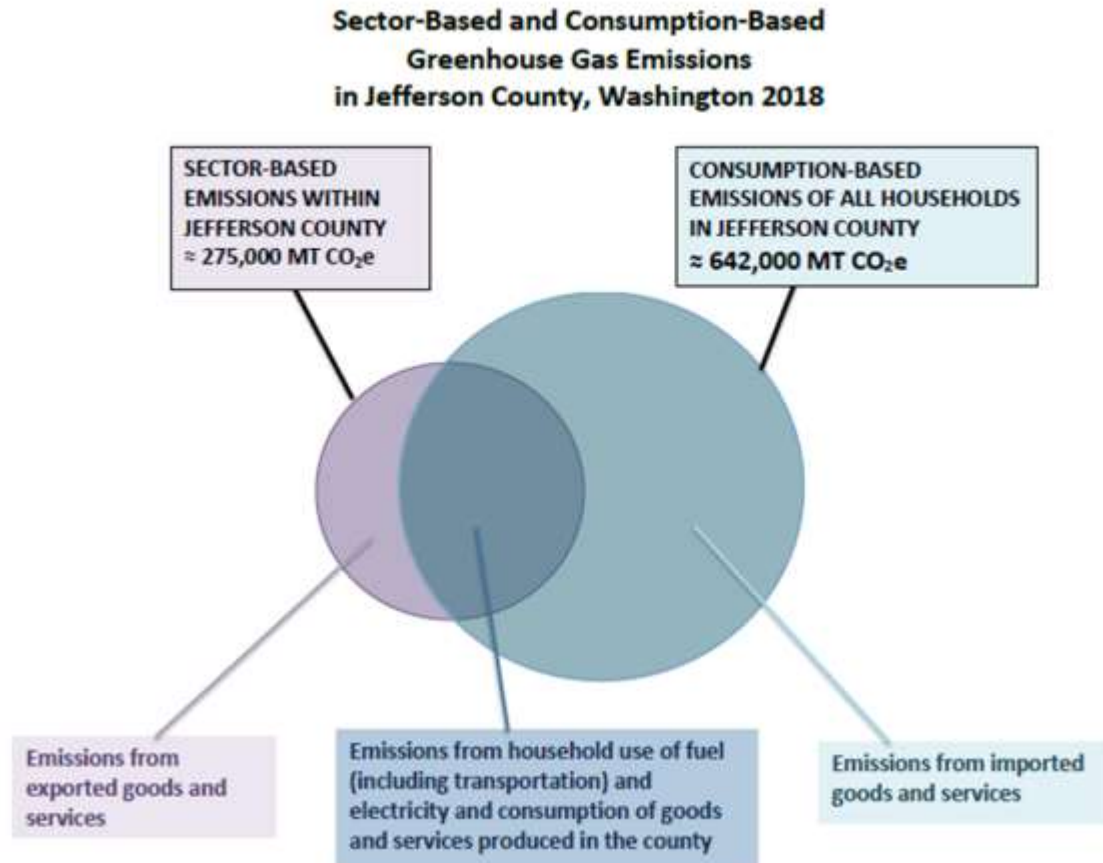


*MMBTU is a measurement of the heat content of different fuels

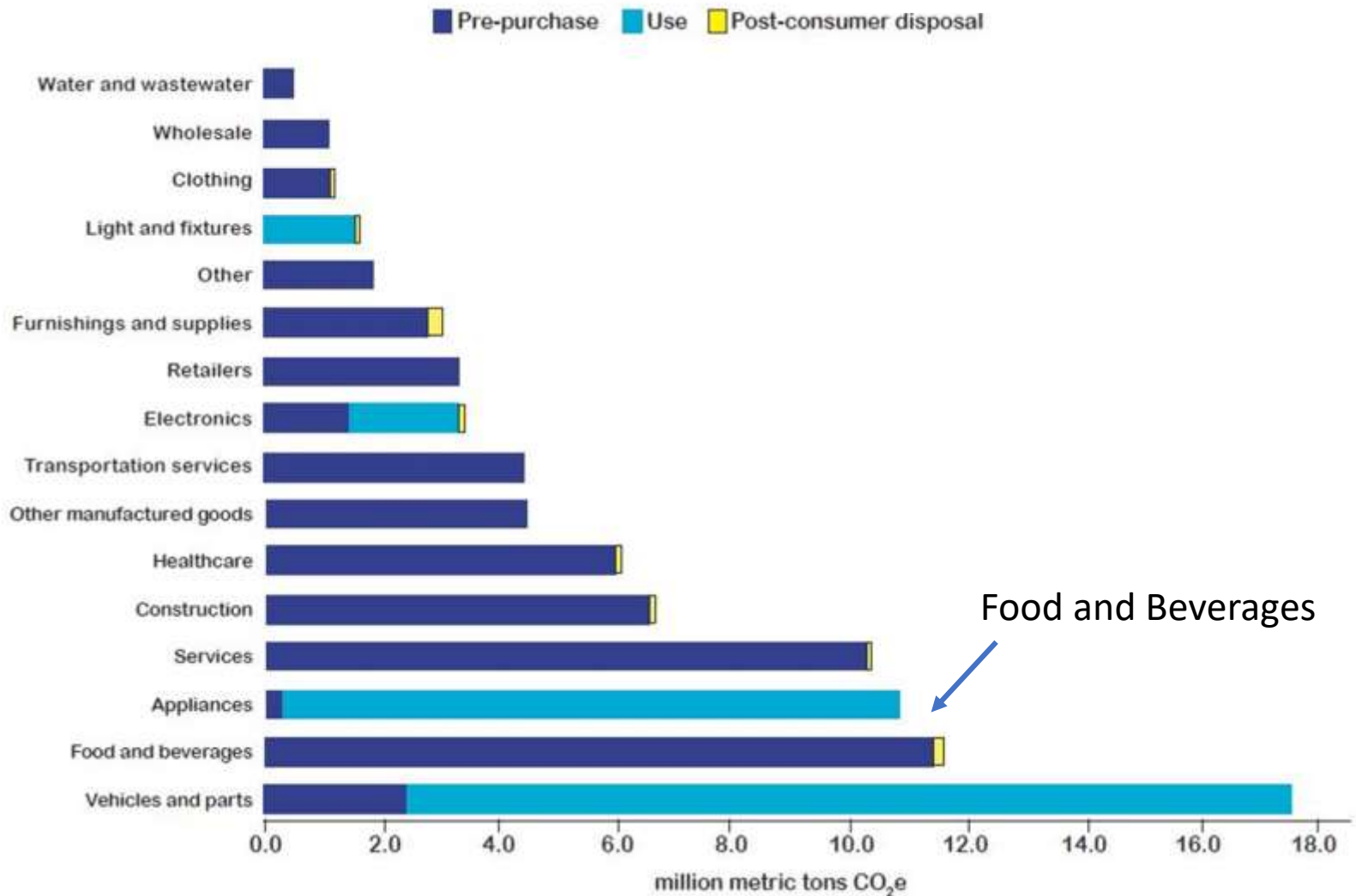
Food and Shopping



- Food and Shopping was relatively small in our TB2021, but we were looking at only a small subset of what we all buy.



Food and Shopping



Average Per Capita Footprint

- The consumption-based inventory for Jefferson County was 20.2 tons per capita or **45K lbs** per year.
- Article sent around noted the US per capita “fair share” is 2.1 tons per capita, or **4.6K lbs** per year.
- For TB 2021, the average individual footprint was 384 lbs CO2e for 28 days. For the year, **5K lbs** per year (doesn't include all shopping/services/etc. – can be **+37K lbs**).
- Average 2016 TB Reduced footprint was **12.8K lbs** - trick will be maintaining low transportation post pandemic!

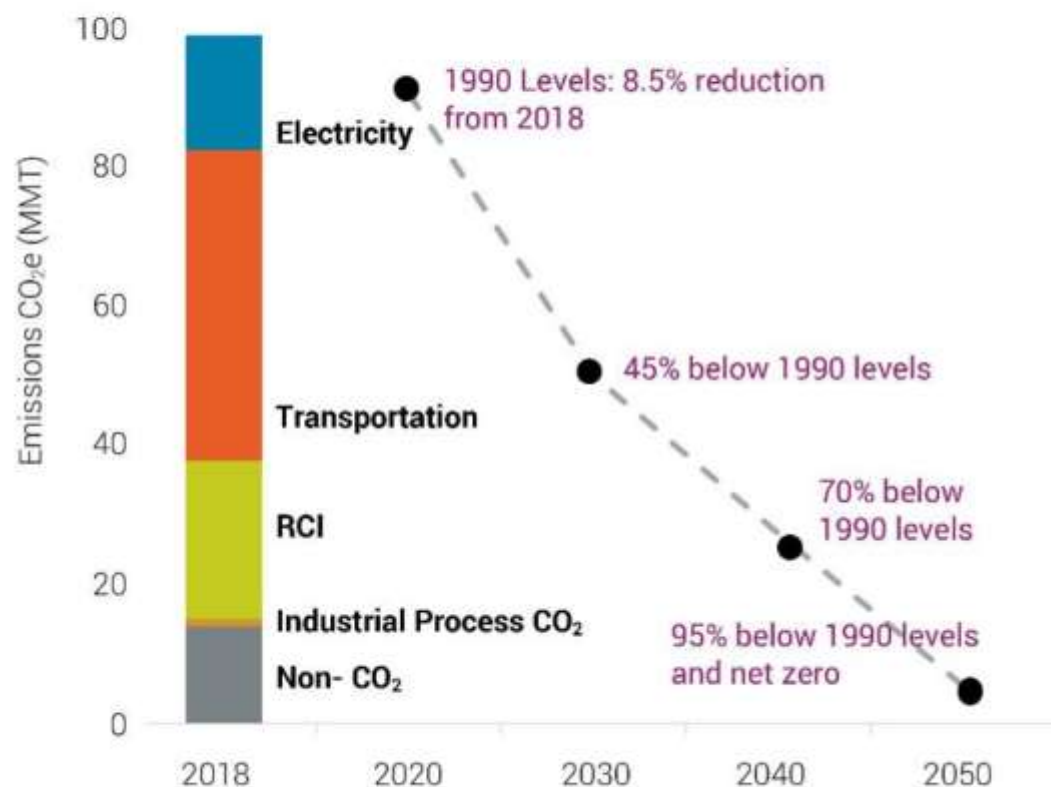
Emission Reduction Goals



- City of Port Townsend and Jefferson County set goals to reduce emissions from 1990 levels in 2007:
 - 80% reduction from 1990 levels by 2050, based on sector-based inventory
- Where are we?
 - In 2018 we were 39% below our 1990 emission levels, nearly half-way to our 2050 goal.
 - We still have to reduce by another 41% to reach the 2050 goal.
- And, we may want to up our goal, as the state recently updated theirs to emissions 95% below 1990 levels by 2050, and Net Zero by 2050

WASHINGTON STATE 2030-2050 GREENHOUSE GAS EMISSION LIMITS

(Assumes residual 5% of 1990 emissions remaining in 2050 will be offset by biological or geological sequestration)



Source: Washington State Department of Ecology and Washington State.²⁹

Appendix A – Deep Decarbonization Pathways Modeling Technical Report, December 11, 2020 (p. 15).

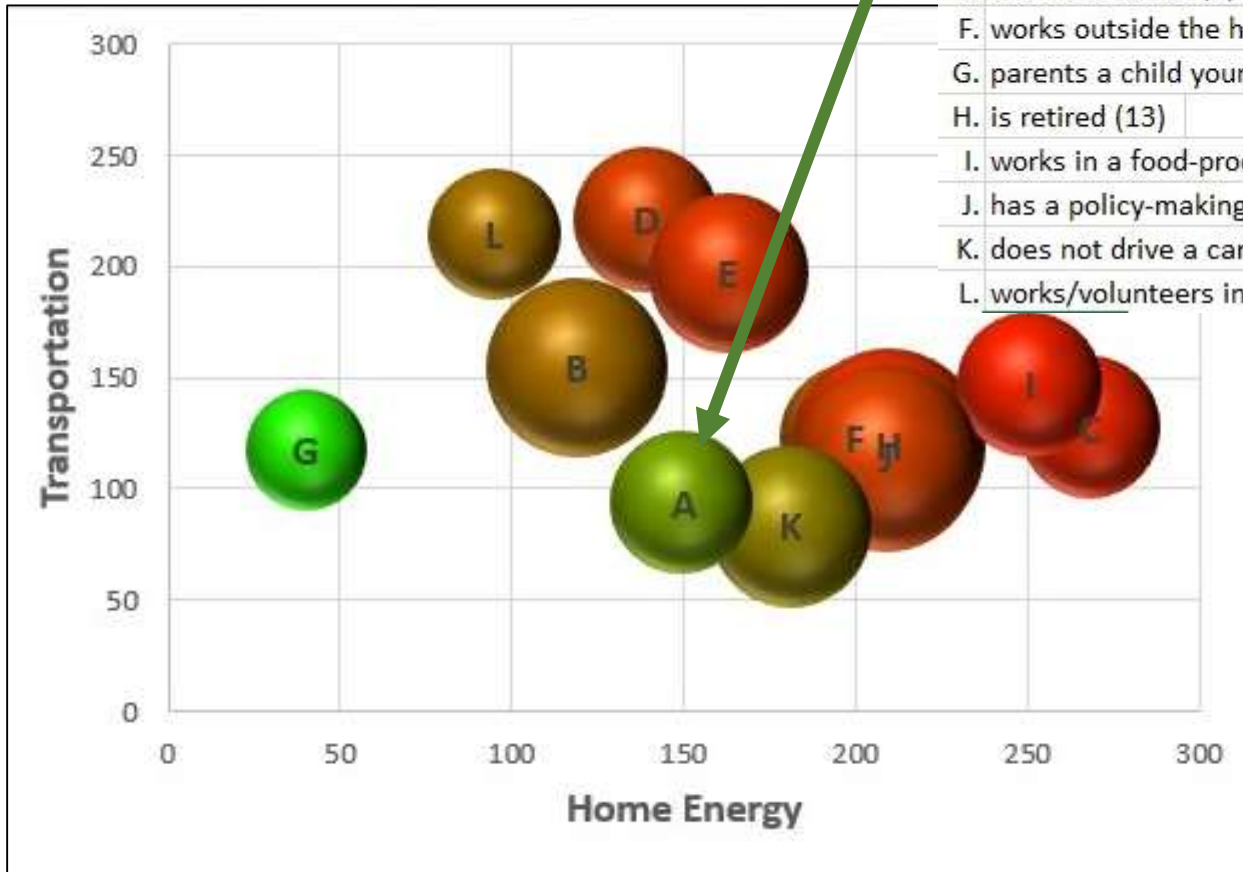
So Now What?



- Think about what you have learned, and how it might apply to helping our community meet its goal
 - What sorts of policies, infrastructure, incentives might help reduce our collective transportation footprint?
 - How might we reduce the footprint of what we consume in the county?
 - How could we lower our home energy footprint (and costs)?
 - How can we achieve the goal in a just and equitable way?
- Share your insights with:
 - Climate Action Committee
 - City Council and Board of County Commissioners
 - Jefferson Transit
 - Jefferson PUD
 - Other Organizations

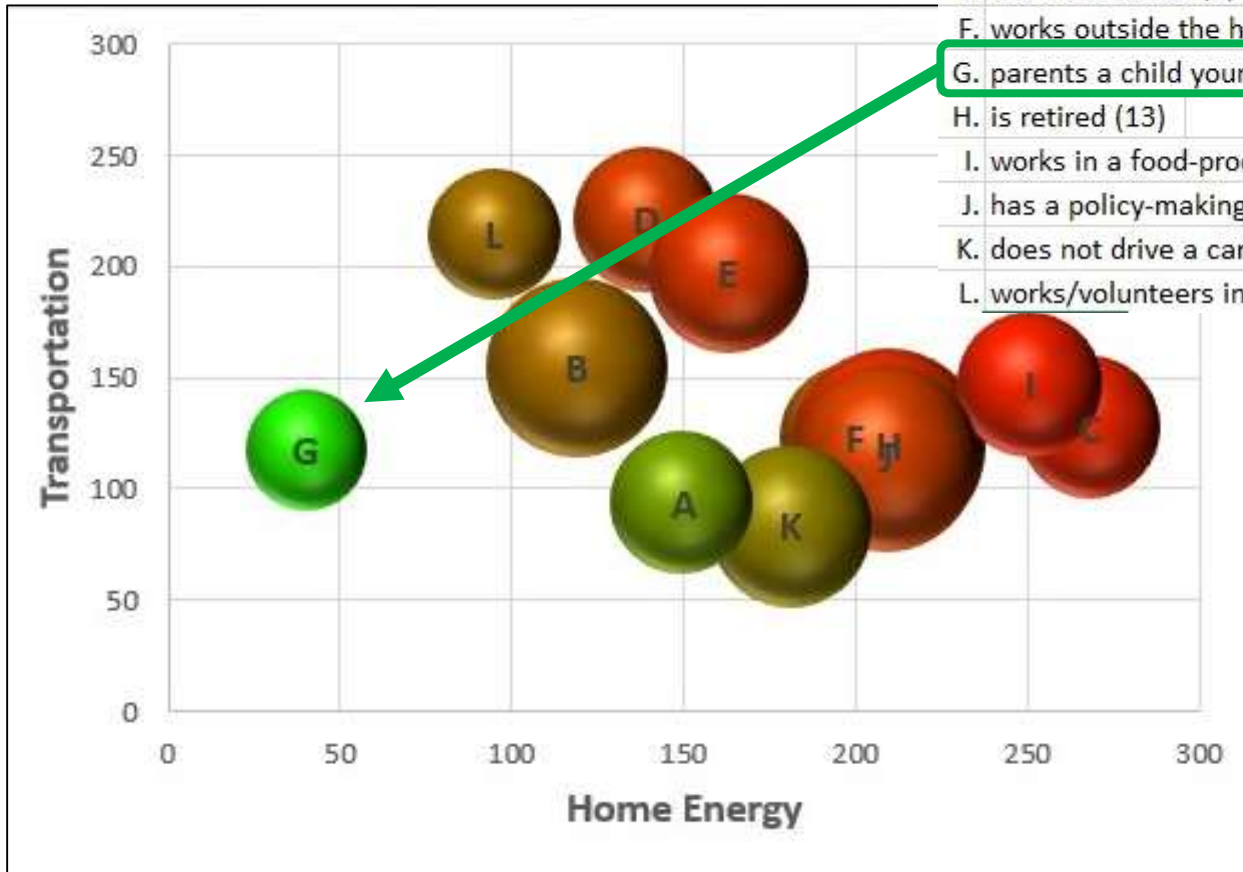
“Types” of Residents

- A. is under 30 years of age (6)
- B. lives within Port Townsend city limits (23)
- C. lives outside Port Townsend city limits (14)
- D. owns a local business (9)
- E. is a tele-worker (9)
- F. works outside the home (7)
- G. parents a child younger than 12 years old (3)
- H. is retired (13)
- I. works in a food-producing industry (2)
- J. has a policy-making role within the community (6)
- K. does not drive a car regularly (less than 5 times per week)(19)
- L. works/volunteers in education (9)



Overall 150 200 300 400 500

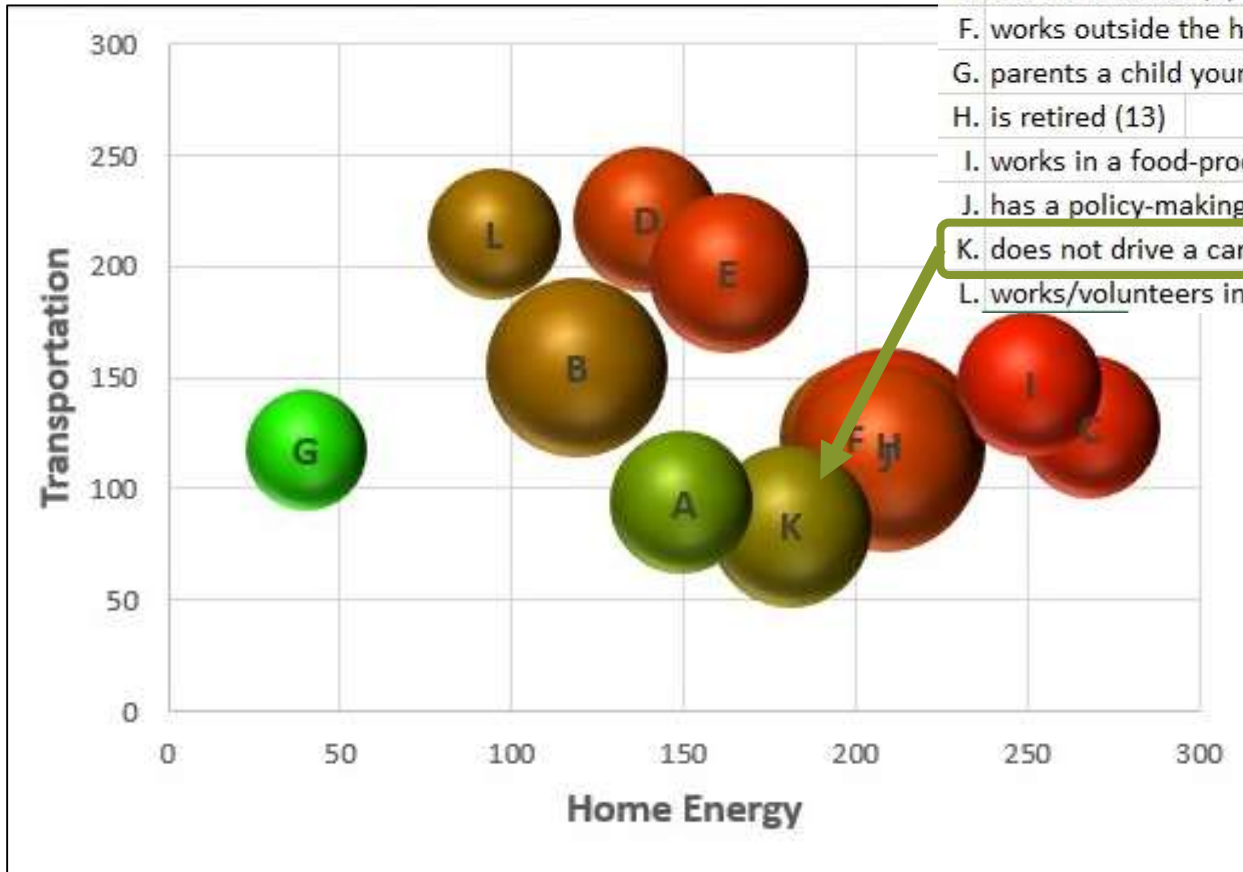
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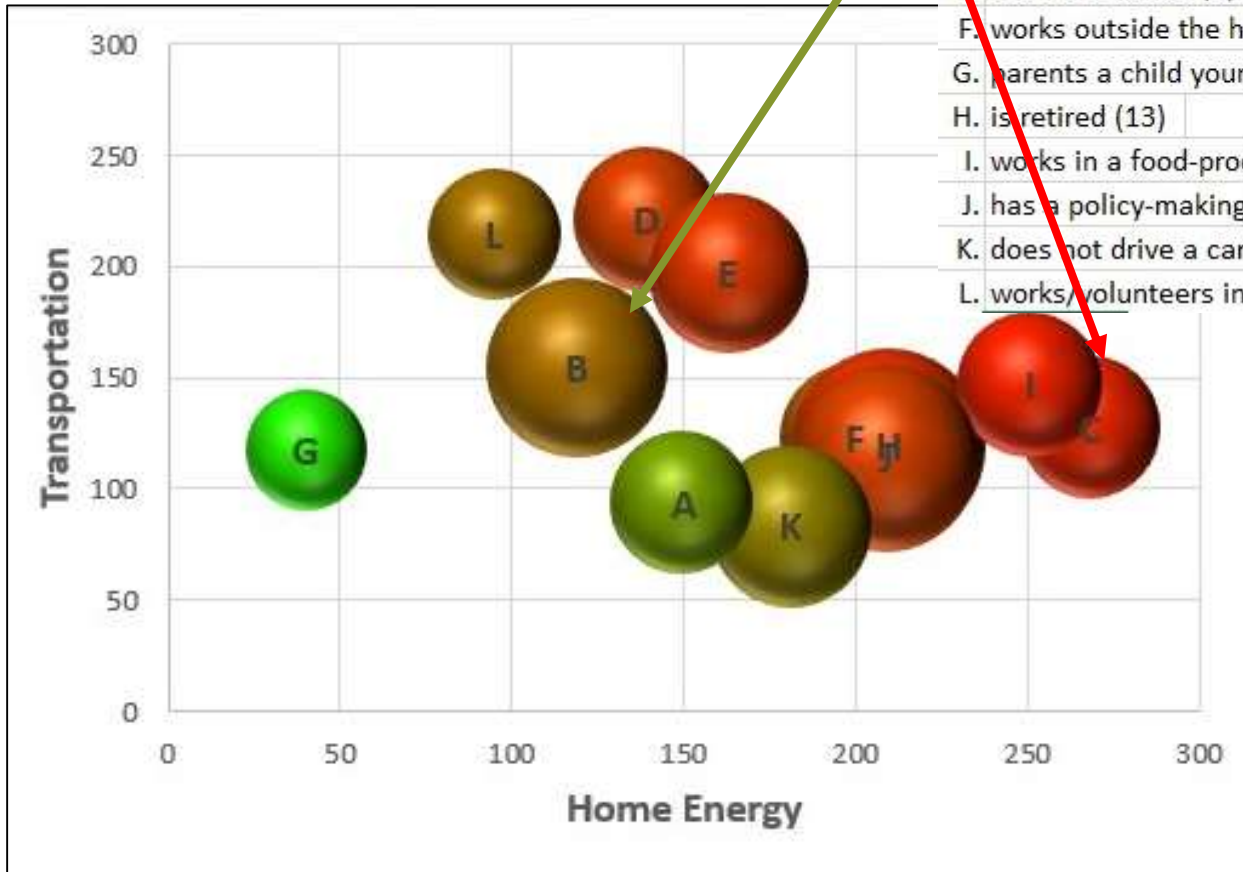
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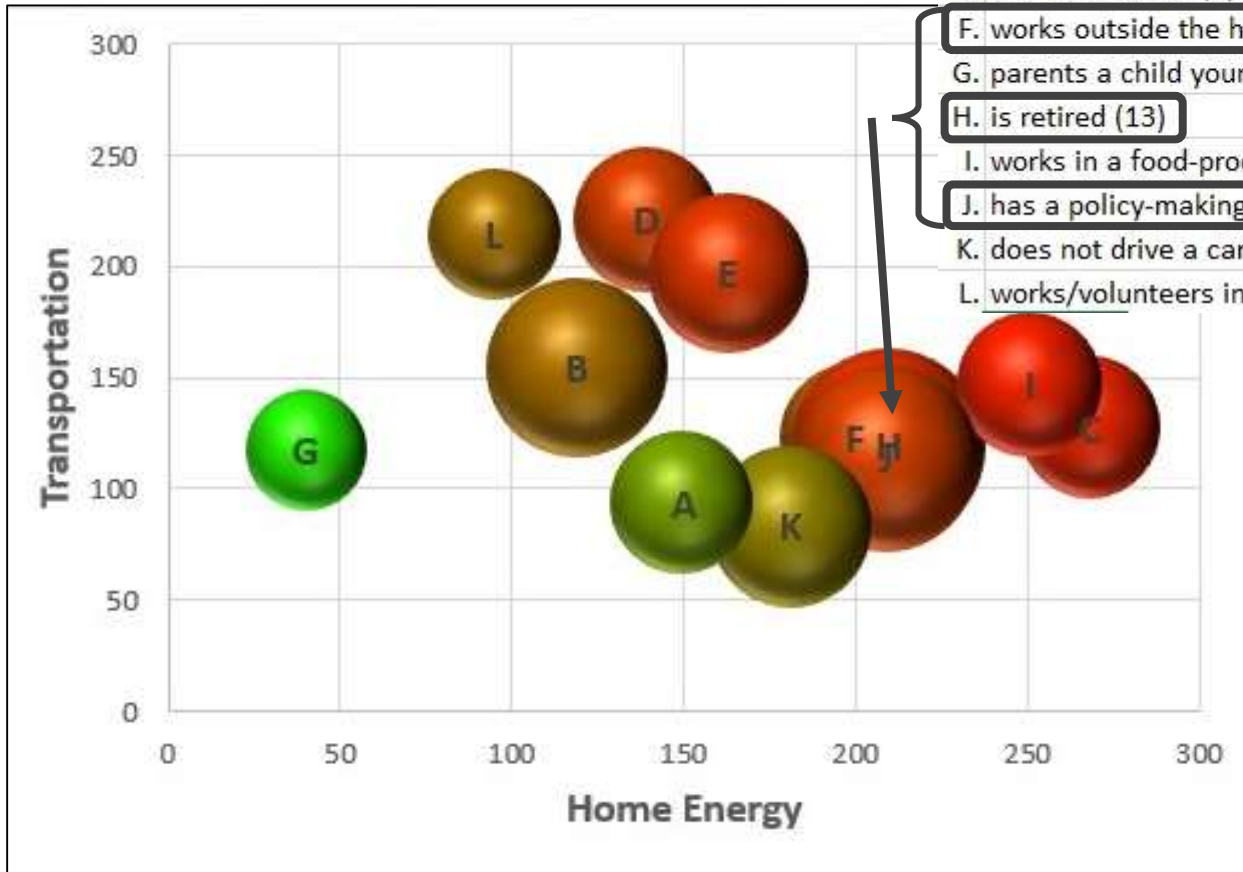
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Overall 150 200 300 400 500

**What have your fellow Taming Bigfoot competitors learned?
Let's find out!!**



Breakout Session

- 1) We will break out into random groups.
- 2) You need to click on the icon to join a group.
- 3) You'll have about 10 minutes to chat.
- 4) Please choose a spokesperson to share some highlights of your discussion. Here are some ideas ...



**What have you learned?
What have you changed?
What do you want to change?**

prizes!

Categories

- Team
 - Lowest Overall
 - 2nd Lowest Overall
 - Lowest Home Energy
 - Lowest Transportation
 - Lowest Food/Shopping
- Individual
 - Lowest Overall

Donors

- Olympic Biochar
- JeffCo Public Utility District (PUD)
- The ReCyclery
- Bulldog Bicycles
- City of Port Townsend
- North Olympic Salmon Coalition
- Jefferson County Public Health

Team Leaders will be contacted with information on how to redeem your prizes

Your Name Here
and
Taming Bigfoot Participants

***The North Olympic Salmon Coalition
has planted
600 western red cedar and Sitka spruce trees
in honor of your participation in
Taming Bigfoot 2021: Recovering Greener.***

**A mature tree absorbs carbon dioxide
at a rate of 48 pounds per year.**

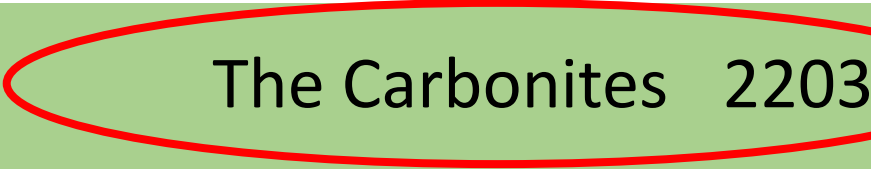


<https://nosc.org/who-we-are/>



Lowest Overall Team Footprint

Prize: 1 cubic yard of BIOCHAR
(courtesy of Olympic Biochar)



The Carbonites	2203
Planet Protectors	2449
Sustainable Wannabees	2525
The Fixations	2874
Feral Nephilim	3400

2nd Lowest Overall Team Footprint

Prize: 2 bicycle tune-ups

(courtesy of Bulldog Bicycles)

The Carbonites	2203
Planet Protectors	2449
Sustainable Wannabees	2525
The Fixations	2874
Feral Nephilim	3400

Lowest Home Energy Team Footprint

Prize: 1 cubic yard of Compost
(courtesy of City of Port Townsend)

Sustainable Wannabees 454

Planet Protectors 526

The Carbonites 693

The Fixations 1310

Feral Nephilim 2583



Lowest Transportation Team Footprint

Prize: 7 PUD Goodie Bags
(courtesy of JeffCo PUD)



Feral Nephilim	621
The Fixations	810
Planet Protectors	951
The Carbonites	1013
Sustainable Wannabees	1801

Lowest Food/Shopping Team Footprint

Prize: 2 bicycle tune-ups
(courtesy of The ReCyclery)

Feral Nephilim	196
Sustainable Wannabees	269
The Carbonites	498
The Fixations	754
Planet Protectors	972

Lowest Individual Overall Footprint

Prize: Earth Machine Composter
(courtesy of Jefferson County Public Health)

Karen Anderson	Planet Protectors
David Covert	The Carbonites
Cindy Bratz	The Carbonites
Carol Cummins	Sustainable Wannabees
Ella Becker	Sustainable Wannabees

The Top 5

Lowest Individual Overall Footprint

Prize: Earth Machine Composter
(courtesy of Jefferson County Public Health)

Karen Anderson	Planet Protectors	
David Covert	The Carbonites	
Cindy Bratz	The Carbonites	135.7
Carol Cummins	Sustainable Wannabees	
Ella Becker	Sustainable Wannabees	

Lowest Individual Overall Footprint

Prize: Earth Machine Composter
(courtesy of Jefferson County Public Health)

Karen Anderson	Planet Protectors	127.0
David Covert	The Carbonites	
Cindy Bratz	The Carbonites	135.7
Carol Cummins	Sustainable Wannabees	
Ella Becker	Sustainable Wannabees	

Lowest Individual Overall Footprint

Prize: Earth Machine Composter
(courtesy of Jefferson County Public Health)

Karen Anderson	Planet Protectors	127.0
David Covert	The Carbonites	
Cindy Bratz	The Carbonites	135.7
Carol Cummins	Sustainable Wannabees	
Ella Becker	Sustainable Wannabees	120.3

Lowest Individual Overall Footprint

Prize: Earth Machine Composter
(courtesy of Jefferson County Public Health)

Karen Anderson	Planet Protectors	127.0
David Covert	The Carbonites	91.7
Cindy Bratz	The Carbonites	135.7
Carol Cummins	Sustainable Wannabees	
Ella Becker	Sustainable Wannabees	120.3

Lowest Individual Overall Footprint

Prize: Earth Machine Composter
(courtesy of Jefferson County Public Health)

Karen Anderson	Planet Protectors	127.0
David Covert	The Carbonites	91.7
Cindy Bratz	The Carbonites	135.7
Carol Cummins	Sustainable Wannabees	78.5
Ella Becker	Sustainable Wannabees	120.3



**What can
YOU do?**

Individual Efforts Add Up!

Make consumer choices that reduce energy use

Consider the environmental impact of the items you buy

Reduce your use of fossil fuels wherever possible:

- drive less; carpool more
- take public transportation
- promote non-motorized transportation
- walk
- take fewer plane trips
- ride a bike

Use the 7 R's: Refuse, reduce, reuse, return, repair, recycle, rot

Eat locally grown food whenever possible – even better ... plant a garden!

Electrify whatever you can – appliances, home heating, your vehicle

Plant trees – 70% more CO₂ is stored in trees than in the atmosphere

Compost food and yard waste

What can
YOU do?

Take the Pledge!

**Get together
with your team!**

After tonight, plan a time
to get together and
discuss what you have
learned and what you
plan to do next. Take the
pledge to make a
difference!



**I pledge allegiance to the Earth and all the
life which it supports. One planet in our care,
irreplaceable, with sustenance and respect for all.**

To reduce my carbon footprint I will try...

To Keep:

To Add:

To Stop:

What can YOU do?

Join local, regional, and national groups!



<https://l2020.org/>



<https://350seattle.org/>



Citizens' Climate Lobby
Olympia, WA

<https://citizensclimatelobby.org/>



Citizens' Climate Lobby
Seattle



**The Climate
Reality Project®**

<https://www.climateRealityproject.org/>



What can
YOU do?

Take Action!

Contact – **Your Representatives** – let them know how you feel about climate change, and support local climate policies. Changing laws is even more powerful than changing lightbulbs.

Vote – **On climate** – every candidate, every election

Talk – **About climate change, often!** – don't let denial go unchallenged. Share what you have learned. Speak to others from a point of shared goals and concerns.

Get the Word Out – Use social media – write letters to the editor – call TV and radio stations

Let Go – **Of the “cheap energy” mentality** – saving the planet will cost some up front but will pay us back with a livable planet in the end.

Carbon Coaching

Now that you have a sense of what your carbon footprint is, if you'd like some free life coaching to help you change your behavior to reduce your carbon footprint, we have a volunteer who has offered to assist Taming Bigfoot participants. Learn more at ecolifecoaching.com or contact **Karen Richards** at karen@ecolifecoaching if you are interested.



What can
YOU do?

Learn more!

JeffersonCAN.org
Climate Action Now



climate.nasa.gov/evidence

A banner for the NOAA Climate website. It features the NOAA logo and the text "National Oceanic and Atmospheric Administration U.S. Department of Commerce". Below this is a search bar labeled "Search NOAA sites" with a magnifying glass icon. The main image shows a large, jagged ice floe floating in the ocean. The word "Climate" is prominently displayed in large white letters. Below it, a paragraph reads: "From supercomputers and state-of-the-art models to observations and outlooks, we provide data, tools, and information to help people understand and prepare for climate variability and change." At the bottom right, there is a URL: <https://www.noaa.gov/climate>.

<https://www.noaa.gov/climate>

Thank You!!!



JeffersonCAN.org
Climate Action Now