Puget Sound Clean Air Agency

Outreach Plan

Background

Puget Sound Clean Air Agency (PSCAA) aims for all people to benefit from clean, healthy air and reduce our region's contribution to climate change.

Wood smoke generated by wood-burning heating devices is the primary contributor to wintertime air pollution in Puget Sound Clean Air Agency's jurisdiction which covers King, Kitsap, Pierce and Snohomish counties. Over 4.1 million people, more than half the state's population, reside in these four counties.

PSCAA has three initiatives focused on reducing wood smoke:

- Wood stove program: Incentives to help people shift away from wood-burning stoves/inserts (\$350 for removal/recycling; \$1500-\$2000 for replacement if in Snohomish County)
- Clean burning practices: Helping those not ready to switch take steps to reduce pollution
- Burn ban notifications: Informing local residents via email/SMS and earned media

This plan is focused on the primary initiatives (wood stove program and clean burning practices)

Purpose, Goals & Objectives

PURPOSE

Clean, healthy air for all Puget Sound residents

GOAL

Reduce Puget Sound air pollution related to wood smoke

OBJECTIVES

Drive wood stove program signups to meet recycling/replacement project completions goals. Encourage residents to adopt cleaning burning behaviors.

Goals & Priority Audiences

	WOOD STOVE PROGRAM
Key Goals & Metrics	Drive program sign ups to complete by June 2023: - 180 replacement projects - 808 recycling/removal projects
Priority Audiences	Existing or new homeowners with wood stoves and wood-burning fireplace inserts. Piloting outreach to Hispanic community. Priority geography: Snohomish, especially Arlington, Darrington and Marysville Tacoma-Pierce County Smoke Reduction Zone, especially Puyallup/Spanaway area Lakewood and Algona/Auburn/Pacific

Barriers

WOOD STOVE PROGRAM

Major: ☐ Upfront costs to remove/replace ☐ For recycling, how to remove it from the house (big, heavy) Perception that it is less expensive to heat older homes with wood, especially if you have access to free wood Minor: Want to be self-sufficient Suspicious of utilities and/or government Offers alternative heat source in case of power outages ☐ Preference for wood over other heat sources (aesthetics, smell, nostalgia) Competing priorities with concerns about air quality Doubts about impact of wood smoke on air quality

Motivators

WOOD STOVE PROGRAM

Major:

- Incentives to offset removal/replacement costs (for those eligible)
- Replacement: Improved, more efficient heating source (and cooling source if adopting ductless heat pump)
- Easier and less work to heat home

Minor:

- ☐ For new homeowners: removing/replacing unsightly device left by previous owner
- Contribute to cleaner air

Message & Creative Strategy

<u>Wood stove main message:</u> When I sign up for this program, I can save money while upgrading my home.

- Think: This program helps me save money and makes it simple to upgrade my home heating system.
- **Feel:** It will be such a relief to no longer have an old wood-burning device in my home that is so much work to use and maintain.
- Do (Desired Behavior Change): I will sign up to participate in the program.

Visuals and design: Develop materials with similar look and feel leveraging PSCAA branding and iconography, but tailor messages and calls-to-action to each initiative.

PAID TACTICS

Advertising Overview

	Wood Stoves
Objective:	Conversions: get people to the <u>website</u> for more information and to sign-up
Priority Audience:	 Primary: Homeowners with fireplace inserts/wood burning devices <u>ONLY</u> (no fireplaces since they aren't eligible) Secondary: New Homeowners
Languages:	English + Spanish
Geography:	 Snohomish County Tacoma/Pierce County Smoke Reduction Zone
Key Message:	Cost savings
Seasonality:	Spring/Summer when people are less likely to be using wood stoves as a heat source and more open/receptive to making a change before the next winter.

Recommended KPI Measurement How will we measure success based on the objectives?

Wood Stoves

Conversions: get people to the website for more information and to sign-up

- 1. Website traffic (click throughs)
- 2. Quantity of conversions
- 3. Site engagement: time on site, pages visited, bounce rate, etc.
- 4. Secondary: Impressions, reach

WOOD STOVES Media Approach & Tactics

Advertising Approach – WOOD STOVES

- The campaign will focus on cost efficient clicks and conversions.
- Use digital as the exclusive media tactic. Able to be highly segmented to the
 priority audience, gives people immediate access to PSCAA for more information and
 track performance.
- Look for ways to be exceptionally segmented to priority audience, minimizing ad waste. For example, we can target people who have wood burning devices in our geography.
- Monitor campaign tracking, optimize toward tactics with better KPIs. For example, the
 tactics with more cost-efficient click throughs (CPC, cost per click) and those with more
 cost-efficient site conversions.
- Concentrate media in key flights to avoid spreading message too thin. For example, focus ads over a four-week period in the Spring and a four-week period in the Summer.

Advertising Approach – WOOD STOVES

If possible:

- Consider leveraging high-impact video to communicate complex messages if budget and resources allow. Gives an opportunity to really explain why someone should make a change.
- Place tracking pixels on the PSCAA site in order to (1) retarget messaging to people who have engaged with PSCAA site and to (2) optimize media toward conversions.
- Monitor the campaign in PSCAA's Google Analytics (if applicable) to help understand visitor sources and site engagement (e.g. time on the site, pages visited, etc.)

Video Ads and/or Banner Ads via Ad Network

Network Description: Video ads and/or banners will be served across hundreds of sites on desktop, tablet and mobile devices. Ads will only be served to our target audience and within our determined geography.

Rationale:

- The ad network can be more targeted and cost efficient to our audience than any other tactic.
- The media is trackable and optimizable.
- We can link it to Google Analytics to understand website traffic patterns and conversions.

- KPI: Click Throughs (primary) Conversions (secondary)
- **Timing**: Spring and Summer
- Asset: Video and/or Banners (static or animated)



Ad Network Segmentation

Audience Targeting

• Use 3rd party data segments to find (1) homeowners who have fireplace inserts, wood burning devices (2) new homeowners. Include geo-targeting for location.

Keyword Targeting

• Target website pages with keywords that match our predetermined list of relevant keywords. Like "wood stoves," "wood heating," etc. Include geo-target.

Contextual Targeting (lower priority, not as targeted for Wood Stoves)

• Target web sites that fall into categories like home renovations, real estate, etc. Include geo-target.

Email List Targeting

• If available, use PSCAA email list to match people on the web who have those same email addresses and then serve them a banner or video ad. Anticipate a ~60% match rate. To be clear: this is a targeting method not us sending an email. Geo-targeting is optional.

Site Retargeting

• Using a PSCAA website pixel, serve ads to people who have been to the PSCAA program page (thereby expressing some level of interest) and then retarget ads to these people to help them convert. Can exclude people who have converted. Geo-targeting is optional.





Puget Sound Clean Air Agency

Wood Smoke Outreach – Secondary Research Report November 2021

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Overall Audience Data Key Takeaways

	Target Geography 1 Snohomish County, Arlington, Darrington, Marysville	Target Geography 2 Tacoma-Pierce County Smoke Reduction Zone	Target Geography 3 Lakewood, Auburn/Algona/Pacific, Duwamish Valley	Target Geography 4 Unincorporated King, Pierce, Kitsap and Snohomish
Areas with highest % of households using wood as primary heat source	X (Especially Darrington and Arlington)	X (not all areas)		X (not all areas)
Areas with highest % of households below federal poverty level	Х		Х	
Areas with highest % of households with limited English proficiency			Х	
Areas with highest % of home ownership	Х	Х		
Internet & Smartphone Penetration	High	High	High	High
Most Common Language Besides English	Spanish	Spanish	Spanish	Spanish
Negative Health Outcomes	0 – 2% of pop (average estimate)	0 – 2% of pop (average estimate)	0 – 2% of pop (average estimate)	0 – 2% of pop (average estimate)

Programs and Geographies:

Wood Stove Program & Clean-Burning Outreach: Priority target geography 1, 2 and 3 Air Quality Burn Ban Outreach/Education: Target geography 1, 2, 3, and 4



Previous Audience Research Key Findings

Motivators

- Clean burning Hotter fires, less wood used = reduced costs, less smoke in house, better wood storage system
- Wood stoves Incentives to offset removal/replacement (for those who are eligible)

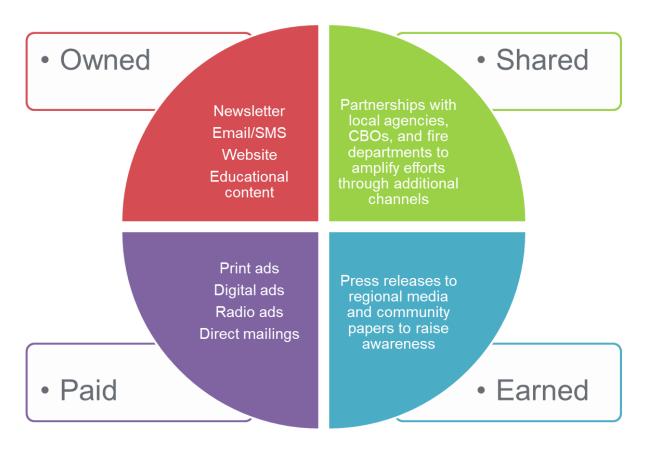
Barriers

- All competing priorities with concerns about air quality, doubts about impact of wood smoke on air quality
- Clean burning lack of knowledge/think doing correctly, lack of time (for wood storage/seasoning)
- Wood stoves less expensive to heat older homes with wood, upfront costs to remove/replace, preference for wood over other heat sources, offers alternative heat source in case of power outage
- Burn bans confusion about rules and misconceptions about what type of burning they
 mean/who they apply to, perceived lack of enforcement/consequences



Previous Outreach Key Findings

Tactics/channels previously used:



2020-2021 Top Sources for Wood Stove Program:

- Internet
- Heating contractors
- Email
- Word of mouth
- Direct mailing



Target Geography 1

Snohomish County, Arlington, Darrington, Marysville



Overall Key Takeaways

	Target Geography 1 Snohomish County, Arlington, Darrington, Marysville	Target Geography 2 Tacoma-Pierce County Smoke Reduction Zone	Target Geography 3 Lakewood, Auburn/Algona/Pacific, Duwamish Valley	Target Geography 4 Unincorporated King, Pierce, Kitsap and Snohomish
Areas with highest % of households using wood as primary heat source	X (Especially Darrington and Arlington)	X (not all areas)		X (not all areas)
Areas with highest % of households below federal poverty level	Х		Х	
Areas with highest % of households with limited English proficiency			Х	
Areas with highest % of home ownership	Х	Х		
Internet & Smartphone Penetration	High	High	High	High
Most Common Language Besides English	Spanish	Spanish	Spanish	Spanish
Negative Health Outcomes	0 – 2% of pop (average estimate)	0 – 2% of pop (average estimate)	0 – 2% of pop (average estimate)	0 – 2% of pop (average estimate)

Programs and Geographies:

Wood Stove Program & Clean-Burning Outreach: Priority target geography 1, 2 and 3 Air Quality Burn Ban Outreach/Education: Target geography 1, 2, 3, and 4



Key Takeaways: Arlington, Darrington, and Marysville

- Darrington and Arlington have areas with higher percentage of households using wood as primary heating source
- Arlington and Marysville are more diverse than Darrington
- Besides English, Spanish is the most common language spoken in Arlington and Marysville
- Although internet penetration is high in the three cities, but it is lower in Darrington
- Homeownership rate in Marysville is higher than in Arlington and Darington
- Marysville includes the Census block with more percentage of households with limited English proficiency out of the three areas



CAT Tool Data

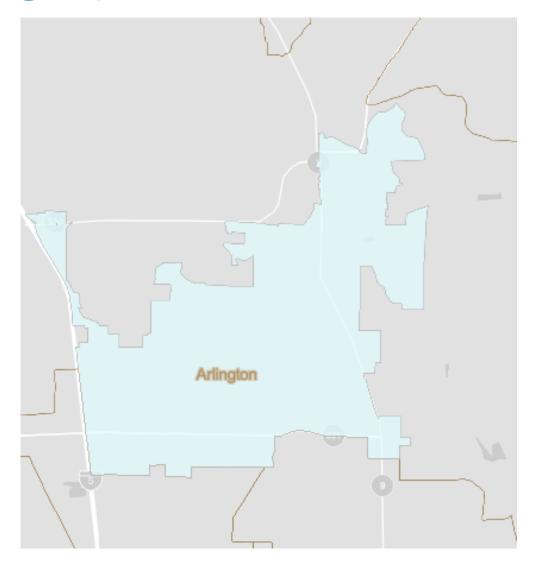
Arlington	Census Bl	Census Block								
	1	2	3	4	5	6	7	8	9	10
% of Households using Wood as Primary Heat Source	1.1	5.1	11.2	11.8	2.1	1.8	0	3	3.7	5
Asthma Hospitalizations (per million people)	0	455	502	455	455	455	455	455	455	455
Cardiac Hospitalizations (per million people)	11,598	11,598	11,885	11,598	11,598	11,598	11,598	11,598	11,598	11,598
COPD Hospitalization (per million people)	752	752	640	752	752	752	752	752	752	752
Median Income	\$48,889	\$75,972	\$50,461	\$75,417	\$84,511	\$86,406	\$97,857	\$68,649	\$41,941	\$43,640
% Households Below Federal Poverty Level	16.8	20.3	10.7	12.5	1.6	3.3	5.1	3.8	11	27.3
% Households with Limited English Proficiency	3.2	0	4.8	4.9	1.1	0	1.5	0	0	0

Darrington	Census Block
	1
% of Households using Wood as Primary Heat Source	23.5
Asthma Hospitalizations (per million people)	1,165
Cardiac Hospitalizations (per million people)	17,364
COPD Hospitalization (per million people)	1,504
Median Income	\$52,500
% Households Below Federal Poverty Level	20.4
% Households with Limited English Proficiency	2.7

Marysville	Census Block	(
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
% of Households using Wood as Primary Heat Source	11.9	28.3	8.9	0	2.4	0	0	2	4.6	0	8.7	4.2	0	3.5	1	1.5
Asthma Hospitalizations (per million people)	527	330	525	369	369	369	369	369	369	369	369	369	369	369	369	369
Cardiac Hospitalizations (per million people)	12,147	9,771	12,171	13,712	13,712	13,712	13,712	13,712	13,712	13,712	13,712	13,712	13,712	13,712	13,712	13,712
COPD Hospitalization (per million people)	563	368	563	552	552	552	552	552	552	552	552	552	552	552	552	552
Median Income	\$69,208	\$97,841	\$65,938	\$51,157	\$37,500	\$39,702	\$35,125	\$42,045	\$37,417	\$41,462	\$51,122	\$112,059	\$59,844	\$41,694	\$65,170	\$66,950
% Households Below Federal Poverty Level	11.4	16.6	5.3	15.3	33.2	19.5	8.1	18.8	21.4	14.4	15.1	13.6	12.9	14.4	1.4	11
% Households with Limited English Proficiency	0	0	3.4	14	0	1	1	5	3	0	4	0	4	8	0	2.5

Arlington City

Census Geographic Breakdown





Arlington City

Race and Ethnicity

Total population	19,483	
White alone	15,237	78.20%
Black or African American alone	282	1.40%
American Indian and Alaska Native		
alone	286	1.50%
Asian alone	785	4%
Native Hawaiian and Other Pacific		
Islander alone	70	0.40%
Some other race alone	20	0.10%
Two or more races	929	4.80%
Hispanic or Latino (of any race)	1,874	9.60%

Median age: 38.4

Source: https://data.census.gov/cedsci/table?q=&text=dp05&g=1600000US5302585&tid=ACSDP5Y2019.DP05



Arlington City Top Languages

Total population	17,597	
1. English	15,976	90.79%
2. Spanish	869	4.94%
3. Tagalog (incl. Filipino)	135	0.77%
4. Russian	97	0.55%
5. Polish	79	0.45%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=1600000US5302585&tid=ACSDT5Y2015.B16001



Arlington City

Computer and Internet Subscriptions

Total households	7,348	
Households with Internet	6,678	90.88%
Households with Desktop or Laptop	6,141	83.57%
Households with Tablet or other		
Portable Wireless Computer	4,579	62.3%
Households with Smartphone	6,082	82.8%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=1600000US5302585&tid=ACSST5Y2019.S2801



Arlington City Housing

Total households	7,348
Home ownership Rate	62.70%
Housing Type	
1-unit structures	73.70%
2 or more unit structures	24.00%
Mobile homes and all other types of units	2.20%

 $Source: \underline{https://data.census.gov/cedsci/table?text=S1101\&g=1600000US5302585\&tid=ACSST5Y2019.S1101\\$



Darrington

Census Geographic Breakdown





Darrington

Race and Ethnicity

Total population	1,088	
White alone	877	80.6%
Black or African American alone	10	0.9%
American Indian and Alaska Native alone	25	2.3%
Asian alone	0	0%
Native Hawaiian and Other Pacific Islander alone	0	0%
Some other race alone	12	1.1%
Two or more races	69	6.3%
Hispanic or Latino (of any race)	95	8.7%

Median age: 47.5



Top Languages

Total population	1,381	
1. English	1,346	97.47%
2. German		
	14	1.01%
3. Spanish	10	0.72%
4. Hebrew	8	0.58%
5. Scandinavian languages	3	0.22%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=1600000US5316690&tid=ACSDT5Y2015.B16001 (2015 census data)



Darrington

Computer and Internet Subscriptions

Total households	519	
Households with Internet	387	74.6%
Households with Desktop or Laptop	320	61.7%
Households with Tablet or other		
Portable Wireless Computer	207	39.9%
Households with Smartphone	376	72.4%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=1600000US5316690&tid=ACSST5Y2019.S2801



Darrington Housing

Total households	519
Home ownership Rate	60.3%
Housing Type	
1-unit structures	72.4%
2 or more unit structures	7.5%
Mobile homes and all other types of units	20%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=1600000US5316690&tid=ACSST5Y2019.S1101



Marysville

Census Geographic Breakdown





Marysville

Race and Ethnicity

Total population	70,306	
White alone	48,605	69.1%
Black or African American alone	1,434	2%
American Indian and Alaska Native alone	1,894	2.7%
Asian alone	3,585	5.1%
Native Hawaiian and Other Pacific Islander alone	636	0.9%
Some other race alone	688	1%
Two or more races	3,157	4.5%
Hispanic or Latino (of any race)	10,307	14.7%

Median age: 37.1

 $Source: \underline{https://data.census.gov/cedsci/table?text=dp05\&g=1600000US5343955\&tid=ACSDP1Y2019.DP05\\$



Marysville Top Languages

Total population	59,085	
1. English	49,874	84.41%
2. Spanish	4,128	6.99%
3. Other Slavic languages	726	1.23%
4. Russian	720	1.22%
5. Tagalog	717	1.21%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=1600000US5343955&tid=ACSDT5Y2015.B16001 (2015 census data)



Marysville

Computer and Internet Subscriptions

Total households	24,496	
Households with Internet	23,065	94.2%
Households with Desktop or Laptop	21,554	88%
Households with Tablet or other		
Portable Wireless Computer	18,721	76.4%
Households with Smartphones	22,533	92.0%



Marysville Housing

Total households	24,496
Home ownership Rate	71.60%
Housing Type	
1-unit structures	78.20%
2 or more unit structures	15.50%
Mobile homes and all other types of units	6.30%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=1600000US5343955&tid=ACSST1Y2019.S1101



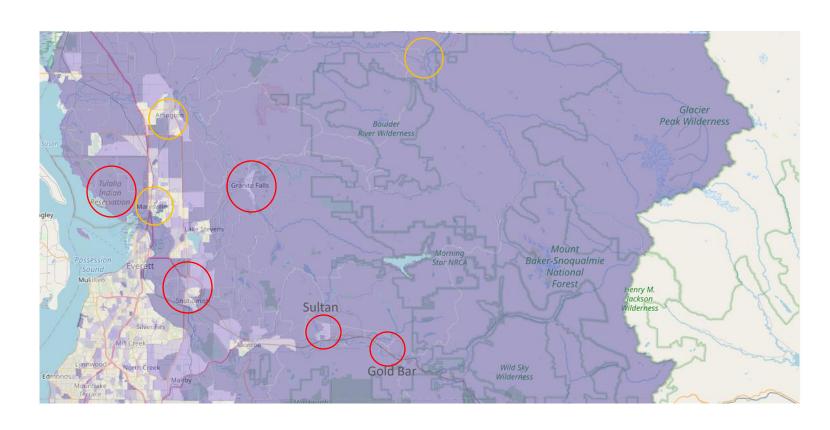
Snohomish County



CAT Tool Key Areas

Areas with high percentage of households using wood as primary heat source:

- Gold Bar
- Sultan
- North Snohomish
- East of Everett
- Granite Falls
- Tulalip Indian Reservation









Snohomish County Race and Ethnicity

Total population	822,083	
White alone	557,507	67.82%
Black or African American alone	27,267	3.32%
American Indian and Alaska Native		
alone	8,483	1.03%
Asian alone	97,895	11.91%
Native Hawaiian and Other Pacific		
Islander alone	3,300	0.40%
Some other race alone	2,184	0.27%
Two or more races	38,280	4.66%
Hispanic or Latino (of any race)	87,167	10.60%

Source: https://data.census.gov/cedsci/table?text=dp05&g=0500000US53061&tid=ACSDP1Y2019.DP05

Median age: 38.2



Snohomish County Top Languages

Total population	770,021	
1. English	594,112	77.16%
2. Spanish	53,523	6.95%
3. Tagalog (incl. Filipino)	13,651	1.77%
4. Chinese (incl. Mandarin,		
Cantonese)	13,069	1.70%
5. Russian	10,368	1.35%

Source: https://data.census.gov/cedsci/table?text=B16001&g=0500000US53061&tid=ACSDT1Y2019.B16001



Snohomish County

Computer and Internet Subscriptions

Total households	299,827	
Households with Internet	279,562	93.20%
Households with Desktop or Laptop	259,929	86.70%
Households with Tablet or other		
Portable Wireless Computer	211,215	70.40%
Households with Smartphone	272,537	90.9%

Source: https://data.census.gov/cedsci/table?q=S2801&text=S2801&g=0500000US53061&tid=ACSST1Y2019.S2801



Snohomish County Housing

Total households	299,827
Home ownership Rate	66.70%
Housing Type	
1-unit structures	67.10%
2 or more unit structures	27.70%
Mobile homes and all other types of units	5.20%

 $Source: \underline{https://data.census.gov/cedsci/table?q=\&text=S1101\&g=0500000US53061\&tid=ACSST1Y2019.S1101\\$



Target Geography 2

Tacoma-Pierce County Smoke Reduction Zone (includes Tacoma, Steilacoom, University Place, Lakewood, Spanaway, Frederickson, Puyallup, Fife, Milton and Edgewood)



Key Takeaways: Tacoma-Pierce County Smoke Reduction Zone

- Areas near Puyallup and Summit have high percentage of households using wood as primary heating source
- Frederickson and Fife include Census blocks with more percentage of households with limited English proficiency out of the three areas
- Besides English, Spanish is the most common language spoken in the region (6.44 %) followed by Korean (1.44%)
- Internet penetration is high (above 80 percent)
- Homeownership rate is around 60 percent



CAT Tool Data

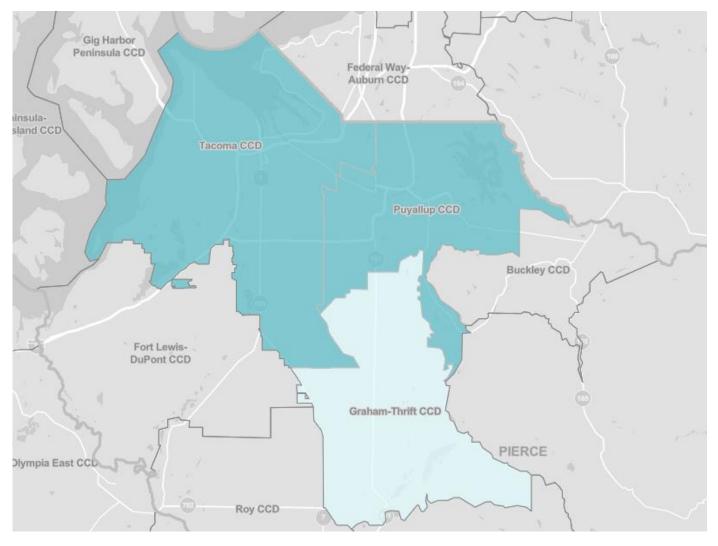
Tacoma Smoke Reduction Zone	Census Block*										
	Spanaway (1)	Allison (2)	Frederickson (3)	Summit (4)	Puyallup (5)	Edgewood (7)	Tacoma (8)	Milton (9)	University Place (10)	Steilacoom (10)	Fife (11)
% of Households using Wood as Primary Heat Source	10.3	10.4	7	11.7	8.2	0	7.9	6.7	5.7	3.2	3.9
Asthma Hospitalizations (per million people)	987	830	826	838	821	756	646	607	697	983	884
Cardiac Hospitalizations (per million people)	15,979	13,571	15,087	13,912	17,567	16,013	12,648	19,469	12,879	11,095	15,075
COPD Hospitalization (per million people)	1,966	1,490	1,406	1,514	1,650	1,296	1,008	1,376	1,018	690	1,675
Median Income	\$68,125	\$71,375	\$85,432	\$62,500	\$80,000	\$83,170	\$118,000	\$59,781	\$67,143	\$86,563	\$71,250
% Households Below Federal Poverty Level	9.5	1.5	6.4	12	0	8.2	7	12.1	3.8	1.6	7.7
% Households with Limited English Proficiency	0	5.5	6.8	1.2	0	0	3.7	0	0	3.2	7.7

^{*}Census blocks with highest % of households using wood as primary heat source near desired cities. See appendix for more details



Tacoma-Pierce County Smoke Reduction Zone

Census Geographic Breakdown





Tacoma-Pierce County Smoke Reduction Zone Race and Ethnicity

Total population	724,478	
White alone	465,008	64.2%
Black or African American alone	44,514	6.1%
American Indian and Alaska Native		
alone	51,865	7.2%
Asian alone	50,121	6.9%
Native Hawaiian and Other Pacific		
Islander alone	11,179	1.5%
Some other race alone	1,342	0.2%
Two or more races	53,839	7.4%
Hispanic or Latino (of any race)	83,164	11.5%

Median age: 36.1



Tacoma-Pierce County Smoke Reduction Zone

Top Languages

Total population	634,551	
1. English	530,577	83.61%
2. Spanish		
	40,873	6.44%
3. Korean	9,112	1.44%
4. Tagalog	6,544	1.03%
5. Vietnamese	6,149	0.97%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=0600000US5305391280,5305392672,5305393376&tid=ACSDT5Y2015.B16001 (2015 census data)



Tacoma-Pierce County Smoke Reduction Zone

Computer and Internet Subscriptions

Total households	270,002	
Households with Internet	235,753	87.3%
Households with Desktop or Laptop	224,445	83.2%
Households with Tablet or other		
Portable Wireless Computer	174,749	64.7%
Households with Smartphone	226,163	83.8%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=0600000US5305391280,5305392672,5305393376&tid=ACSST5Y2019.S2801



Tacoma-Pierce County Smoke Reduction Zone Housing

Total households	270,002
Home ownership Rate	60.3%
Housing Type	
1-unit structures (single family)	68.0%
2 or more unit structures	26.0%
Mobile homes and all other types of	
units	4.90%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=0600000US5305391280,5305392672,5305393376&tid=ACSST5Y2019.S1101



Target Geography 3

Duwamish Valley, Auburn/Algona/Pacific, Lakewood



Key Takeaways: Duwamish Valley, Auburn/Algona/Pacific, Lakewood

- Algona and Lakewood have high percentage of households using wood as primary heating source
- This target geography includes many Census blocks with more than 30 percent of households with limited English proficiency out of the three areas
- Besides English, Spanish is the most common language spoken in the region. Other languages follow, depending on the area. See detail in next slides for breakdown
- Internet penetration is high (above 80 percent)
- Homeownership rate in this areas is lower than in the other target geographies (40 50 percent)



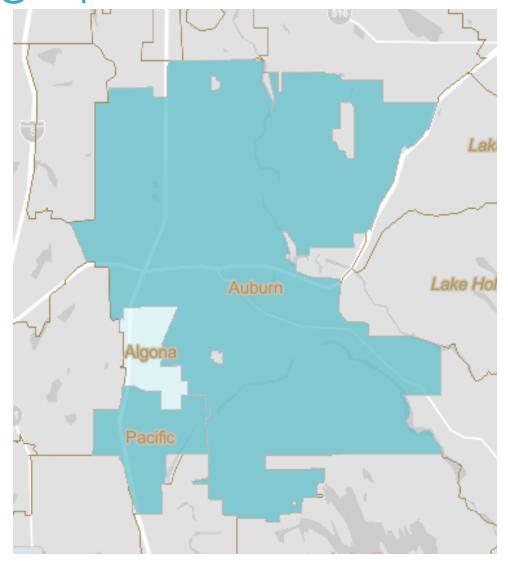
CAT Tool Data

Duwamish Valley	Census Block							
	1	2	3	4	5	6	7	8
% of Households using Wood as Primary Heat Source	0	0	0	0	0	0	1.9	1.1
Asthma Hospitalizations (per million people)	1,274	1,333	1,304	1,325	1,333	1,205	1,182	1,104
Cardiac Hospitalizations (per million people)	10,928	11,061	11,289	11,118	11,061	11,973	12,888	13,662
COPD Hospitalization (per million people)	800	750	845	773	750	993	947	1045
Median Income	\$63,077	\$48,846	\$39,706	\$52,109	\$30,804	\$27,878	\$48,281	\$52,375
% Households Below Federal Poverty Level	2.9	20.4	13.8	33.3	35.9	12.8	7.7	5.6
% Households with Limited English Proficiency	0	0	16.3	19.1	9	0	14.8	5

Auburn/Algona/Pacific	Census Blo	ck															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
% of Households using Wood as Primary Heat Source	3	3.2	1	5.1	3.9	6.3	0	0	0	0	0	0	0	3.1	1.3	3.1	1.1
Asthma Hospitalizations (per million people)	1,088	1,123	766	997	581	762	1,024	1,024	1,024	1,024	1,024	910	1,024	1,024	1,024	910	672
Cardiac Hospitalizations (per million people)	16,780	17,021	14,678	16,193	13,471	14,896	17,128	17,128	17,128	17,128	17,128	15,951	17,128	17,128	17,128	15,676	12,654
COPD Hospitalization (per million people)	2422	2545	1702	2247	1267	1620	2111	2111	2111	2111	2111	1842	2111	2111	2111	1779	1088
Median Income	\$62,841	\$49,352	\$44,853	\$51,859	\$64,837	\$39,196	\$35,913	\$51,288	\$29,167	\$47,220	\$45,135	\$106,442	\$60,104	\$44,063	\$34,444	\$29,726	\$53,594
% Households Below Federal Poverty Level	0	16.4	12.4	13	8.3	19.9	13.2	8.3	29	19.8	15.5	3.5	15.7	14.5	33	18.4	13.7
% Households with Limited English Proficiency	0	3	11	7	4	12	13	4	9	12	15	1	2	0	4	5	6

Lakewood	Census Block									
	1	2	3	4	5	6	7	8	9	10
% of Households using Wood as Primary Heat Source	0	0	0	1.6	0	0.7	8	0	0	0
Asthma Hospitalizations (per million people)	1,306	1,306	1,306	1,306	1,306	1,071	910	910	1,009	1,019
Cardiac Hospitalizations (per million people)	17,767	17,767	17,767	17,767	17,767	15,059	13,218	13,218	20,467	21,192
COPD Hospitalization (per million people)	2,519	2,519	2,519	2,519	2,519	1,972	1,600	1,600	7,386	7,964
Median Income	\$29,232	\$26,021	\$23,761	\$29,188	\$69,848	\$111,797	\$25,429	\$41,316	\$21,916	\$21,900
% Households Below Federal Poverty Level	32.6	26	48.2	20.1	4.4	0	19.4	20.3	40.9	42.5
% Households with Limited English Proficiency	10	7	15	13	0	0	0	20	12	0

Census Geographic Breakdown





Auburn/Algona/Pacific

Race and Ethnicity

Total population	90,560	
White alone	48,730	53.81%
Black or African American alone	5,196	5.74%
American Indian and Alaska Native		
alone	1,786	1.97%
Asian alone	10,734	11.85%
Native Hawaiian and Other Pacific		
Islander alone	1,677	1.85%
Some other race alone	273	0.30%
Two or more races	6,501	7.18%
Hispanic or Latino (of any race)	15,663	17.30%

Average Median Age: 32.5



Auburn/Algona/Pacific Top Languages

Total population	78,346	
1. English	57,083	72.86%
2. Spanish		
	8,327	10.63%
3. Other Slavic languages	1,878	2.40%
4. Other Pacific Island languages	1,636	2.09%
5. Russian	1,505	1.92%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=1600000US5352495&tid=ACSDT5Y2015.B16001 (2015 census data)



Auburn/Algona/Pacific

Computer and Internet Subscriptions

Total households	32,509	
Households with Internet	29,060	89.39%
Households with Desktop or Laptop	26,580	81.76%
Households with Tablet or other		
Portable Wireless Computer	20,517	63.11%
Households with Smartphone	26,979	83.0%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=1600000US5301290,5303180,5352495&tid=ACSST5Y2019.S2801



Auburn/Algona/Pacific Housing

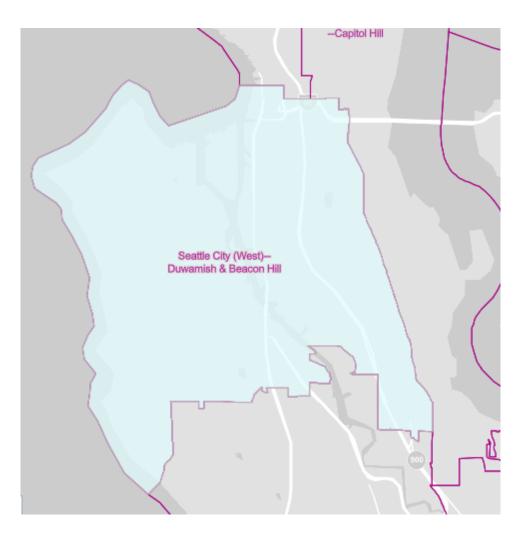
Total households	32,509
Home ownership Rate	57.01%
Housing Type	
1-unit structures	33.77%
2 or more unit structures	18.90%
Mobile homes and all other types of	
units	4.34%

 $Source: \underline{https://data.census.gov/cedsci/table?q=\&text=S1101\&g=1600000US5301290,5303180,5352495\&tid=ACSST5Y2019.S1101}\\$



Duwamish Valley

Census Geographic Breakdown





Duwamish Valley

Race and Ethnicity

Total population	145,800	
White alone	79,258	54.4%
Black or African American alone	15,869	10.9%
American Indian and Alaska Native		
alone	2,187	1.5%
Asian alone	23,881	16.4%
Native Hawaiian and Other Pacific		
Islander alone	1,853	1.3%
Some other race alone	0	0%
Two or more races	10,309	7.1%
Hispanic or Latino (of any race)	12,443	8.5%

Median age: 39.5



Top Languages

Total population	136,725	
1. English	100,942	73.83%
2. Spanish		
	8,018	5.86%
3. Chinese (incl. Mandarin,		
Cantonese)	7,630	5.58%
4. Amharic, Somali, or other Afro-		
Asiatic languages	4,888	3.58%
5. Vietnamese	3,985	2.91%

Source: https://data.census.gov/cedsci/table?text=dp05&g=7950000US5311605&tid=ACSDP1Y2019.DP05



Duwamish Valley

Computer and Internet Subscriptions

Total households	62,075	
Households with Internet	57,863	93.2%
Households with Desktop or Laptop	52,874	85.2%
Households with Tablet or other		
Portable Wireless Computer	44,639	71.9%
Households with Smartphone	55,960	90.1%

Source: https://data.census.gov/cedsci/table?q=S2801&text=S2801&g=7950000US5311605&tid=ACSST1Y2019.S2801



Duwamish Valley Housing

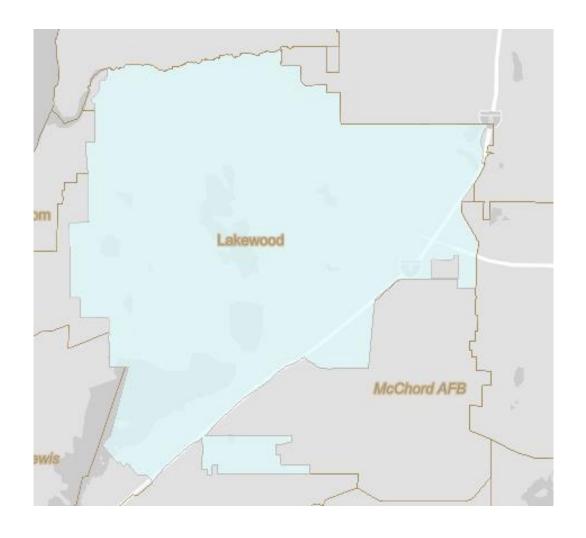
Total households	62,075
Home ownership Rate	55.20%
Housing Type	
1-unit structures	65.50%
2 or more unit structures	33.70%
Mobile homes and all other types of	
units	0.70%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=7950000US5311605&tid=ACSST1Y2019.S1101



Lakewood

Census Geographic Breakdown





Lakewood

Race and Ethnicity

Total population	60,111	
White alone	30,330	50.5%
Black or African American alone	7,305	12.2%
American Indian and Alaska Native		
alone	643	1.1%
Asian alone	5,152	8.6%
Native Hawaiian and Other Pacific		
Islander alone	1,389	2.3%
Some other race alone	59	0.1%
Two or more races	5,053	8.4%
Hispanic or Latino (of any race)	10,180	16.9%

Median age: 36



Top Languages

Total population	54,854	
1. English	41,585	75.81%
2. Spanish		
	6,296	11.48%
3. Korean	1,503	2.74%
4. Tagalog	1,334	2.43%
5. Other Pacific Island languages	945	1.72%



Lakewood

Computer and Internet Subscriptions

Total households	24,725	
Households with Internet	21,050	85.1%
Households with Desktop or Laptop	19,333	78.2%
Households with Tablet or other		
Portable Wireless Computer	14,744	59.6%
Households with Smartphone	20,133	81.4%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=1600000US5338038&tid=ACSST5Y2019.S2801



Lakewood Housing

Total households	24,725
Home ownership Rate	43.40%
Housing Type	
1-unit structures	53.50%
2 or more unit structures	41.10%
Mobile homes and all other types of	
units	5.40%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=1600000US5338038&tid=ACSST5Y2019.S1101



Target Geography 4

Unincorporated King, Pierce, Snohomish and Kitsap counties



Key Takeaways:

- Besides English, Spanish is the most common language spoken in all counties
- Internet and smartphone penetration is high in all counties (above 90 percent)
- Homeownership rate in King County is lower than in Pierce and Kitsap
- The northwest of Pierce County appears to have many communities in unincorporated areas with high percentage of households using wood as primary heat source



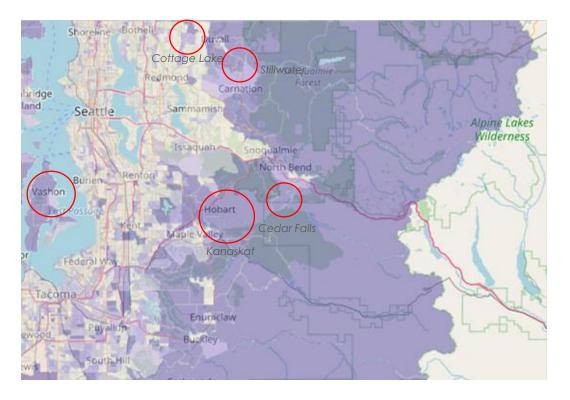
Unincorporated King County



Unincorporated King County

Communities with high percentage of households using wood as primary heat source:

- Hobart / Kanaskat
- Vashon / Burton
- Cottage Lake
- Stillwater
- Cedar Falls





Unincorporated King County (green)



King County

Race and Ethnicity

Total population	2,252,782	
White alone	1,302,544	57.8%
Black or African American alone	147,822	6.6%
American Indian and Alaska Native		
alone	13,321	0.6%
Asian alone	424,590	18.9%
Native Hawaiian and Other Pacific		
Islander alone	15,702	0.7%
Some other race alone	6,574	0.3%
Two or more races	119,587	5.3%
Hispanic or Latino (of any race)	222,642	9.9%

Median age: 36.9



King County Top Languages

Total population	2,125,383	
1. English	1,499,312	70.54%
2. Spanish		
	154,437	7.27%
3. Chinese (incl. Mandarin,		
Cantonese)	99,096	4.66%
4. Vietnamese	41,373	1.95%
5. Amharic, Somali, or other Afro-		
Asiatic languages	35,080	1.65%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=0500000US53033&tid=ACSDT1Y2019.B16001



King County

Computer and Internet Subscriptions

Total households	907,761	
Households with Internet	850,778	93.7%
Households with Desktop or Laptop	804,755	88.7%
Households with Tablet or other		
Portable Wireless Computer	641,733	70.7%
Households with Smartphone	840,433	92.6%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=0500000US53033&tid=ACSST1Y2019.S2801



King County Housing

Total households	907,761
Home ownership Rate	56.3%
Housing Type	
1-unit structures	58%
2 or more unit structures	40.3%
Mobile homes and all other types of	
units	1.7%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=0500000US53033&tid=ACSST1Y2019.S1101



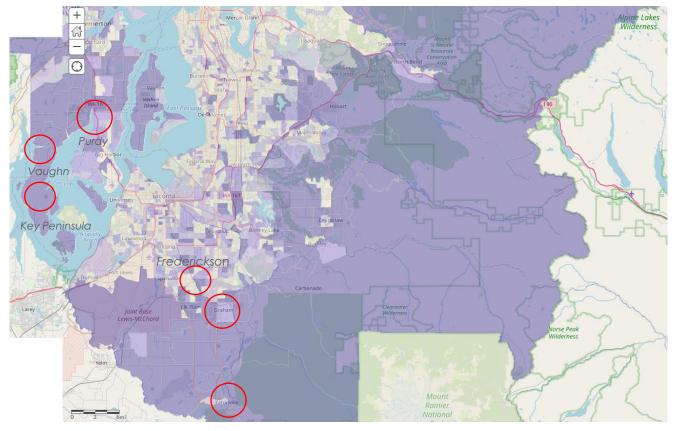
Unincorporated Pierce County

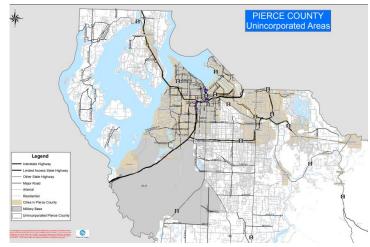


Unincorporated Pierce County

Communities with high percentage of households using wood as primary heat source:

- Graham
- Frederickson
- Purdy
- Vaughn
- Key Peninsula
- Areas surrounding Eatonville







Pierce County

Race and Ethnicity

Total population	904,980	
White alone	593,630	65.6%
Black or African American alone	58,902	6.5%
American Indian and Alaska Native		
alone	8,368	0.9%
Asian alone	56,388	6.2%
Native Hawaiian and Other Pacific		
Islander alone	11,952	1.3%
Some other race alone	1,805	0.2%
Two or more races	70,908	7.8%
Hispanic or Latino (of any race)	103,027	11.4%

Median age: 36.4



Pierce County Top Languages

Total population	765,161	
1. English	651,296	85.12%
2. Spanish		
	45,536	5.95%
3. Korean	9,480	1.24%
4. Tagalog	7,156	0.94%
5. Other Pacific Island languages	6,387	0.83%

 $Source: \underline{https://data.census.gov/cedsci/table?q=\&text=B16001\&g=0500000US53053\&tid=ACSDT5Y2015.B16001\\$



Pierce County

Computer and Internet Subscriptions

Total households	333,657	
Households with Internet	305,578	91.6%
Households with Desktop or Laptop	276,993	83%
Households with Tablet or other		
Portable Wireless Computer	226,579	67.9%
Households with Smartphone	301,024	90.2%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=0500000US53053&tid=ACSST1Y2019.S2801



Pierce County Housing

Total households	333,657
Home ownership Rate	62.8%
Housing Type	
1-unit structures	70.6%
2 or more unit structures	24.8%
Mobile homes and all other types of	
units	4.6%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=0500000US53053&tid=ACSST1Y2019.S1101



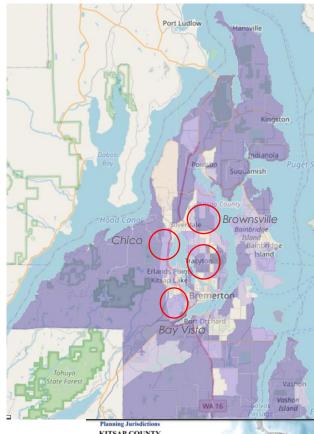
Unincorporated Kitsap County



Unincorporated Kitsap County

Communities with high percentage of households using wood as primary heat source:

- Bay Vista
- Brownsville
- Chico
- Areas surrounding Tracyton





Unincorporated Kitsap County (yellow)



Kitsap County

Race and Ethnicity

Total population	271,473	
White alone	205,840	75.8%
Black or African American alone	7,478	2.8%
American Indian and Alaska Native		
alone	2,799	1%
Asian alone	13,428	4.9%
Native Hawaiian and Other Pacific		
Islander alone	2,585	1%
Some other race alone	276	0.1%
Two or more races	16,690	6.1%
Hispanic or Latino (of any race)	22,377	8.2%

Median age: 39.5



Kitsap County Top Languages

Total population	240,712	
1. English	221,883	92.18%
2. Spanish		
	6,474	2.69%
3. Tagalog	4,912	2.04%
4. Japanese	849	0.35%
5. German	844	0.35%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=0500000US53035&tid=ACSDT5Y2015.B16001



Kitsap County

Computer and Internet Subscriptions

Total households	107,525	
Households with Internet	102,521	95.3%
Households with Desktop or Laptop	95,301	88.6%
Households with Tablet or other		
Portable Wireless Computer	74,787	69.6%
Households with Smartphone	97,055	90.3%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=0500000US53035&tid=ACSST1Y2019.S2801



Kitsap County Housing

Total households	107,525
Home ownership Rate	69.9%
Housing Type	
1-unit structures	76.7%
2 or more unit structures	17.6%
Mobile homes and all other types of	
units	5.7%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=0500000US53035&tid=ACSST1Y2019.S1101



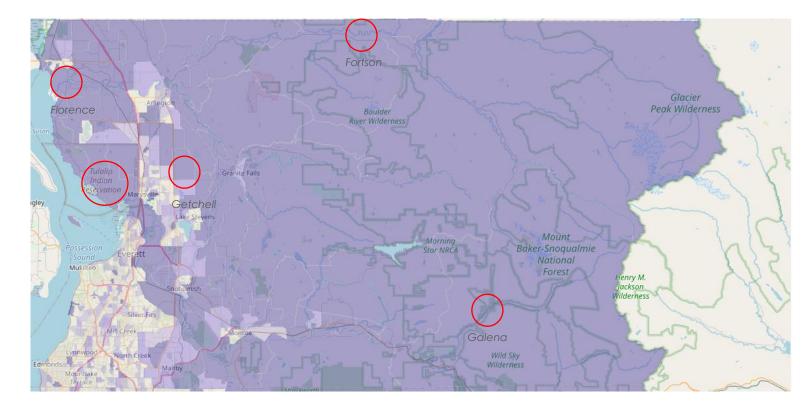
Unincorporated Snohomish County



Unincorporated Snohomish County

Communities with high percentage of households using wood as primary heat source:

- Florence
- Fortson
- Galena
- Getchell
- Tulalip Indian Reservation





Snohomish County Race and Ethnicity

Total population	822,083	
White alone	557,507	67.82%
Black or African American alone	27,267	3.32%
American Indian and Alaska Native		
alone	8,483	1.03%
Asian alone	97,895	11.91%
Native Hawaiian and Other Pacific		
Islander alone	3,300	0.40%
Some other race alone	2,184	0.27%
Two or more races	38,280	4.66%
Hispanic or Latino (of any race)	87,167	10.60%

Source: https://data.census.gov/cedsci/table?text=dp05&g=0500000US53061&tid=ACSDP1Y2019.DP05

Median age: 38.2



Snohomish County Top Languages

Total population	770,021	
1. English	594,112	77.16%
2. Spanish	53,523	6.95%
3. Tagalog (incl. Filipino)	13,651	1.77%
4. Chinese (incl. Mandarin,		
Cantonese)	13,069	1.70%
5. Russian	10,368	1.35%

Source: https://data.census.gov/cedsci/table?text=B16001&g=0500000US53061&tid=ACSDT1Y2019.B16001



Snohomish County

Computer and Internet Subscriptions

Total households	299,827	
Households with Internet	279,562	93.20%
Households with Desktop or Laptop	259,929	86.70%
Households with Tablet or other		
Portable Wireless Computer	211,215	70.40%
Households with Smartphone	272,537	90.9%

Source: https://data.census.gov/cedsci/table?q=S2801&text=S2801&g=0500000US53061&tid=ACSST1Y2019.S2801



Snohomish County Housing

Total households	299,827
Home ownership Rate	66.70%
Housing Type	
1-unit structures	67.10%
2 or more unit structures	27.70%
Mobile homes and all other types of units	5.20%

 $Source: \underline{https://data.census.gov/cedsci/table?q=\&text=S1101\&g=0500000US53061\&tid=ACSST1Y2019.S1101\\$

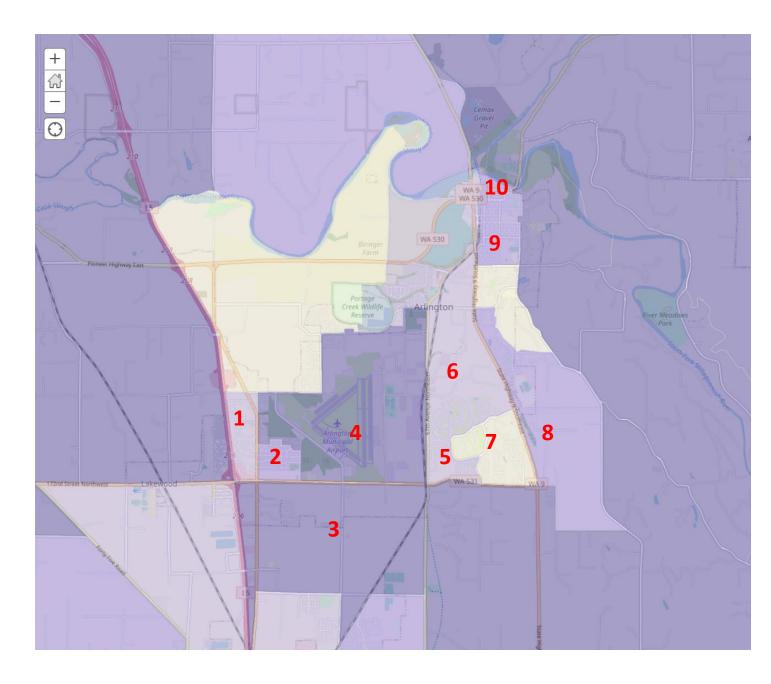


Appendix



CAT – Arlington Census Blocks

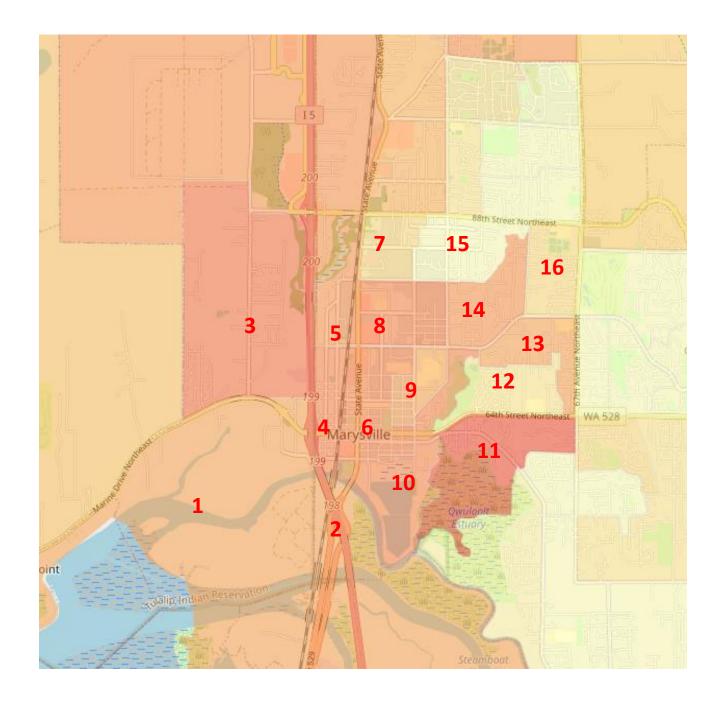
Source:





CAT – Marysville Census Blocks

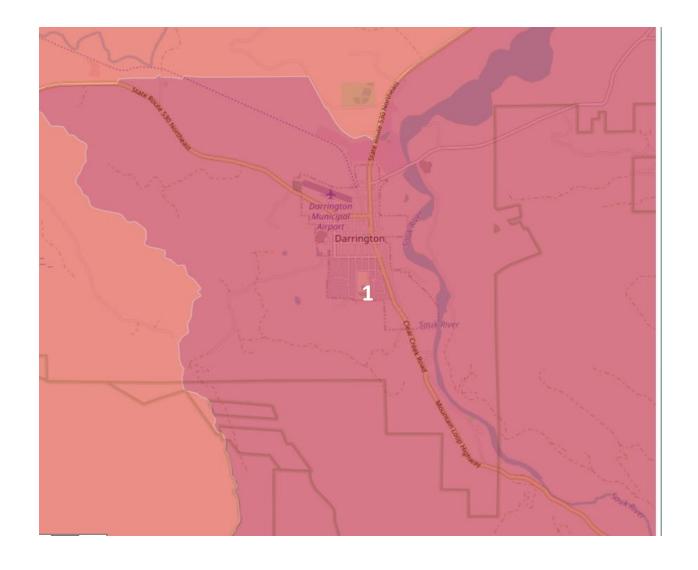
Source:





CAT – Darrington Census Blocks

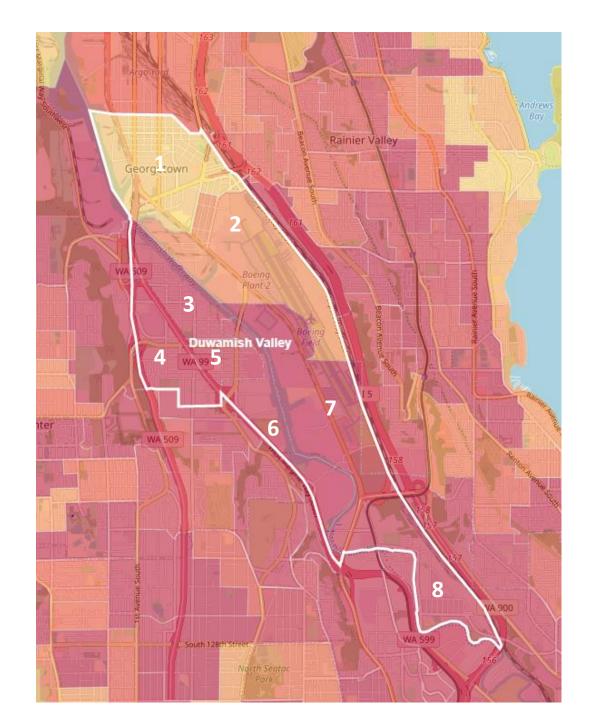
Source:





CAT - Duwamish Valley Census Blocks

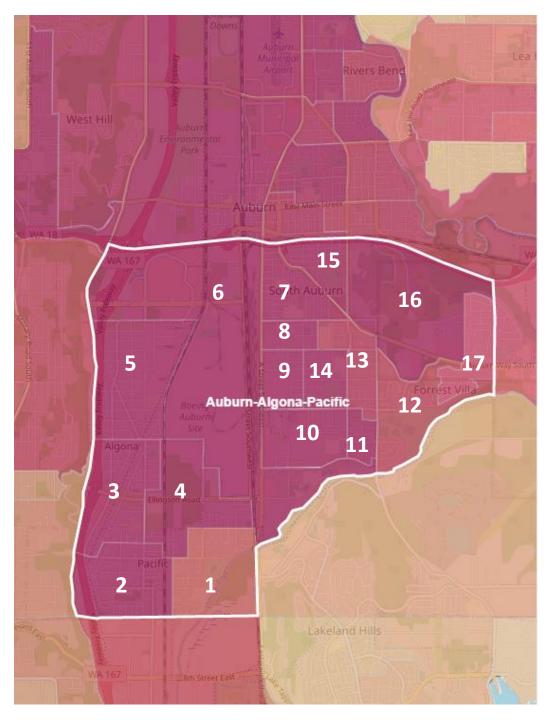
Source:





CAT - Auburn/Algona/Pacific Census Blocks

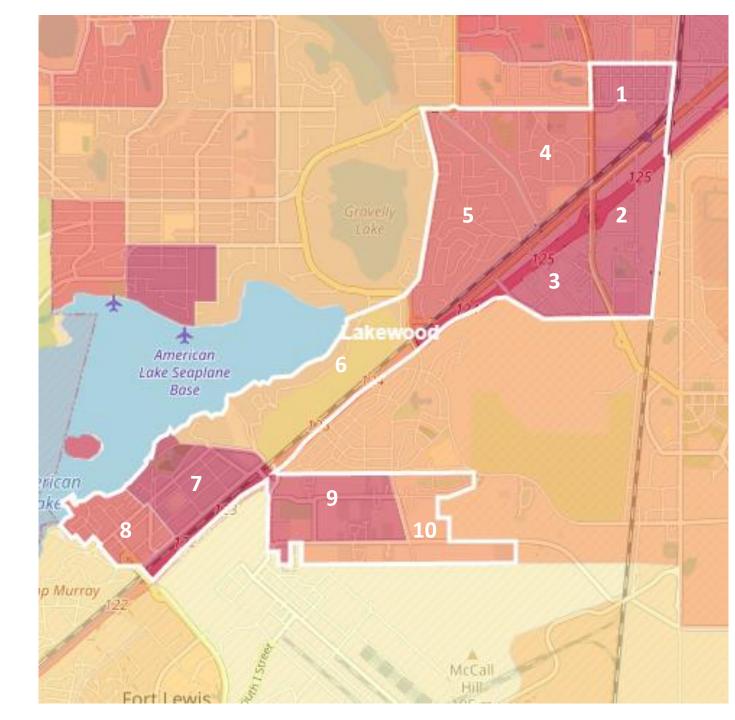
Source:





CAT – Lakewood Census Blocks

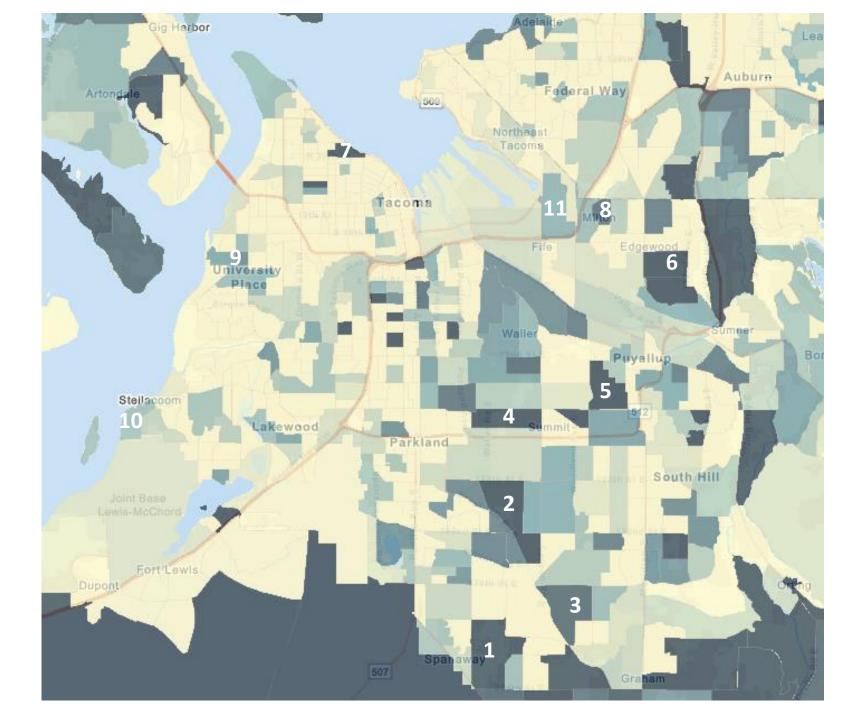
Source:





CAT Tacoma Smoke Reduction Zone

Source:





Pierce County Detail



Race and Ethnicity

Median age: 35.1

Total population	93,161	
White alone	65,431	70.2%
Black or African American alone	4,049	4.3%
American Indian and Alaska Native		
alone	1,314	1.4%
Asian alone	4,949	5.3%
Native Hawaiian and Other Pacific		
Islander alone	1,100	1.2%
Some other race alone	153	0.2%
Two or more races	7,174	7.7%
Hispanic or Latino (of any race)	8,991	9.7%

Source: https://data.census.gov/cedsci/table?q=&text=dp05&g=0600000US5305391280&tid=ACSDP5Y2019.DP05



Graham-Thrift CCD, Pierce County Top Languages

Total population	77,216	
1. English	69,073	89.45%
2. Spanish		
	3,449	4.47%
3. German	901	1.17%
4. Korean	768	0.99%
5. Tagalog	598	0.77%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=1600000US5343955&tid=ACSDT5Y2015.B16001 (2015 census data)



Graham-Thrift CCD, Pierce County

Types of Computer and Internet Subscriptions

Total households	30,207	
Households with Internet	27,624	91.4%
Households with Desktop or Laptop	26,926	89.1%
Households with Tablet or other		
Portable Wireless Computer	21,625	71.6%
Households with Smartphone	25,836	85.5%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=0600000US5305391280&tid=ACSST5Y2019.S2801



Graham-Thrift CCD, Pierce County Housing Situation

Total households	30,207
Home ownership Rate	80.60%
Housing Type	
1-unit structures	81.10%
2 or more unit structures	4.70%
Mobile homes and all other types of	
units	14.20%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=0600000US5305391280&tid=ACSST5Y2019.S1101



Puyallup CCD, Pierce County Race and Ethnicity

Median age: 37.4

Total population	171,378	
White alone	131,706	76.9%
Black or African American alone	3,302	1.9%
American Indian and Alaska Native alone	1,857	1.1%
Asian alone	7,771	4.5%
Native Hawaiian and Other Pacific Islander alone	1,067	0.6%
Some other race alone	269	0.2%
Two or more races	10,005	5.8%
Hispanic or Latino (of any race)	15,401	9%

Source: https://data.census.gov/cedsci/table?q=&text=dp05&g=0600000US5305392672&tid=ACSDP5Y2019.DP05



Puyallup CCD, Pierce County Top Languages

Total population	148,669	
1. English	135,064	90.85%
2. Spanish		
	5,695	3.83%
3. Korean	799	0.54%
4. Tagalog	770	0.52%
5. German	713	0.48%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=0600000US5305392672&tid=ACSDT5Y2015.B16001 (2015 census data)



Puyallup CCD, Pierce County

Types of Computer and Internet Subscriptions

Total households	62,893	
Households with Internet	56,820	90.3%
Households with Desktop or Laptop	53,953	85.8%
Households with Tablet or other		
Portable Wireless Computer	43,613	69.3%
Households with Smartphone	53,604	85.2%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=0600000US5305392672&tid=ACSST5Y2019.S2801



Puyallup CCD, Pierce County Housing Situation

Total households	62,893
Home ownership Rate	68.00%
Housing Type	
1-unit structures	72.70%
2 or more unit structures	21.30%
Mobile homes and all other types of units	6.10%

 $Source: \underline{https://data.census.gov/cedsci/table?q=\&text=S1101\&g=0600000US5305392672\&tid=ACSST5Y2019.S1101\\$



Tacoma CCD, Pierce County Race and Ethnicity

Median age: 35.7

Total population	459,939	
White alone	267,871	58.2%
Black or African American alone	44,514	9.7%
American Indian and Alaska Native alone	4,789	1%
Asian alone	37,401	8.1%
Native Hawaiian and Other Pacific Islander alone	9,012	2%
Some other race alone	920	0.2%
Two or more races	36,660	8.0%
Hispanic or Latino (of any race)	58,772	12.8%

Source: https://data.census.gov/cedsci/table?q=&text=dp05&g=0600000US5305393376&tid=ACSDP5Y2019.DP05



Tacoma CCD, Pierce County Top Languages

Total population	408,666	
1. English	326,440	79.88%
2. Spanish		
	31,729	7.76%
3. Korean	7,545	1.85%
4. Vietnamese	5,706	1.40%
5. Tagalog	5,176	1.27%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=0600000US5305393376&tid=ACSDT5Y2015.B16001 (2015 census data)



Tacoma CCD, Pierce County

Types of Computer and Internet Subscriptions

Total households	176,902	
Households with Internet	151,309	85.5%
Households with Desktop or Laptop	143,566	81.2%
Households with Tablet or other		
Portable Wireless Computer	109,511	61.9%
Households with Smartphone	146,723	82.9%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=0600000US5305393376&tid=ACSST5Y2019.S2801



Tacoma CCD, Pierce County Housing Situation

Total households	176,902
Home ownership Rate	54.10%
Housing Type	
1-unit structures	65.80%
2 or more unit structures	31.30%
Mobile homes and all other types of	
units	2.90%

 $Source: \underline{https://data.census.gov/cedsci/table?q=\&text=S1101\&g=0600000US5305392672\&tid=ACSST5Y2019.S1101\\$



Auburn Detail



Auburn

Race and Ethnicity

Median age: 35

Total population	82,021	
White alone	39,267	47.9%
Black or African American alone	6,939	8.5%
American Indian and Alaska Native alone	2,705	3.3%
Asian alone	9,532	11.6%
Native Hawaiian and Other Pacific Islander alone	353	0.4%
Some other race alone	63	0.1%
Two or more races	6,861	8.4%
Hispanic or Latino (of any race)	16,301	19.9%

Source: https://data.census.gov/cedsci/table?q=&text=dp05&g=1600000US5303180&tid=ACSDP1Y2019.DP05



Top Languages

Total population	69,000	
1. English	50,699	73.48%
2. Spanish		
	7,341	10.64%
3. Other Slavic languages	1,736	2.52%
4. Russian	1,239	1.80%
5. Tagalog	1,206	1.75%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=1600000US5303180&tid=ACSDT5Y2015.B16001 (2015 census data)



Auburn

Types of Computer and Internet Subscriptions

Total households	29,665	
Households with Internet	26,600	89.7%
Households with Desktop or Laptop	23,688	79.9%
Households with Tablet or other		
Portable Wireless Computer	18,005	60.7%
Households with Smartphone	26,881	90.6%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=1600000US5303180&tid=ACSST1Y2019.S2801



Housing Situation

Total households	29,665
Home ownership Rate	56.80%
Housing Type	
1-unit structures	55.60%
2 or more unit structures	38.70%
Mobile homes and all other types of	
units	5.80%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=1600000US5303180&tid=ACSST1Y2019.S1101



Algona Detail



Algona

Race and Ethnicity

Median age: 31

Total population	3,211	
White alone	1,574	49%
Black or African American alone	191	5.9%
American Indian and Alaska Native alone	34	1.1%
Asian alone	502	15.6%
Native Hawaiian and Other Pacific Islander alone	61	1.9%
Some other race alone	0	0%
Two or more races	305	9.5%
Hispanic or Latino (of any race)	544	16.9%

Source: https://data.census.gov/cedsci/table?q=&text=dp05&g=1600000US5301290&tid=ACSDP5Y2019.DP05



Top Languages

Total population	2,921	
1. English	2,026	69.36%
2. Spanish		
	393	13.45%
3. Other Slavic languages	107	3.66%
4. Russian	86	2.94%
5. Tagalog	81	2.77%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=1600000US5301290&tid=ACSDT5Y2015.B16001 (2015 census data)



Algona

Types of Computer and Internet Subscriptions

Total households	908	
Households with Internet	825	90.9%
Households with Desktop or Laptop	791	87.1%
Households with Tablet or other		
Portable Wireless Computer	602	66.3%
Households with Smartphone	735	80.9%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=1600000US5301290&tid=ACSST5Y2019.S2801



Algona Housing Situation

Total households	908
Home ownership Rate	78.40%
Housing Type	
1-unit structures	77.50%
2 or more unit structures	3.60%
Mobile homes and all other types of	
units	18.80%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=1600000US5301290&tid=ACSST5Y2019.S1101



Pacific City Detail



Pacific City

Race and Ethnicity

Median age: 31

Total population	7,215	
White alone	3,329	46.1%
Black or African American alone	309	4.3%
American Indian and Alaska Native alone	55	0.8%
Asian alone	1,085	15%
Native Hawaiian and Other Pacific		
Islander alone	346	4.8%
Some other race alone	0	0%
Two or more races	436	6%
Hispanic or Latino (of any race)	1,655	22.9%

Source: https://data.census.gov/cedsci/table?q=&text=dp05&g=1600000US5352495&tid=ACSDP5Y2019.DP05



Pacific City Top Languages

Total population	6,425	
1. English	4,358	67.83%
2. Spanish		
	593	9.23%
3. Other Pacific Island languages	576	8.96%
4. Other Indic languages	219	3.41%
5. Russian	180	2.80%

Source: https://data.census.gov/cedsci/table?q=&text=B16001&g=1600000US5352495&tid=ACSDT5Y2015.B16001 (2015 census data)



Pacific City

Types of Computer and Internet Subscriptions

Total households	2,355	
Households with Internet	2,003	85.1%
Households with Desktop or Laptop	1,915	81.3%
Households with Tablet or other		
Portable Wireless Computer	1,645	69.9%
Households with Smartphone	1,851	78.6%

Source: https://data.census.gov/cedsci/table?q=&text=S2801&g=1600000US5352495&tid=ACSST5Y2019.S2801



Pacific City Housing Situation

Total households	2,355
Home ownership Rate	51.10%
Housing Type	
1-unit structures	61.30%
2 or more unit structures	35.80%
Mobile homes and all other types of	
units	2.90%

Source: https://data.census.gov/cedsci/table?q=&text=S1101&g=1600000US5301290&tid=ACSST5Y2019.S1101



