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Petersburg Census Area Dashboard

Population: The Department of Labor and Workforce Development's current (2012) population estimate for the Petersburg Census Area is 3,937 – a decrease of 8% from 2000.

Housing Units: There are currently 2,049 housing units in the Petersburg Census Area. Of these, 1,564 are occupied, 91 are for sale or rent, and the remaining 394 are seasonal or otherwise vacant units (Profile Figure C6).

Energy: The average home in the Petersburg Census Area is 1,753 square feet and uses 112,000 BTUs of energy per square foot annually, 19% less than the statewide average of 137,000 BTUs per square foot per year.

Energy Costs: Using AKWarm estimates, average annual energy cost for homes in the Petersburg Census Area is \$5,030, which is approximately 1.8 times more than the cost in Anchorage, and 2.4 times more than the national average (Profile Figure C13).

Energy Programs: Approximately 20% of occupied housing in the Petersburg Census Area has completed either the Home Energy Rebate, Weatherization, or BEES programs since 2008, compared to 21% statewide (Profile Figure C12).

Housing Quality: Within current housing stock, newer homes have better energy performance. On average, homes built in the 1950s are currently rated at 1-star, compared to a current average rating of 4-star-plus for houses built after 2000.

Air-tightness: Within current housing stock, newer homes are tighter. On average, homes built in the last decade very nearly meet the 2012 BEES standard of 4 air-changes per hour at 50 pascals (ACH50). In contrast, homes built in the 1960s are 3.3 times leakier than those built since 2000 (Profile Figure C7).

Ventilation: An estimated 612 occupied housing units (or 39%) in the Petersburg Census Area are relatively air-tight and lack a continuous ventilation system. These houses are at higher risk of moisture and indoor air quality-related issues (Profile Figures C9-C10).

Overcrowding: 3% of occupied units are estimated to be either overcrowded (2%) or severely overcrowded (1%). This is roughly similar to the national average, and makes the Petersburg Census Area the 24th most overcrowded census area in the state.

Affordability: On average, approximately 24% of households in the Petersburg Census Area spend more than 30% of total income on housing costs, which include rent, utilities, and energy costs. Based on average AKWarm estimates, annual energy costs constitute approximately 8% of census median area income for occupied housing.



Petersburg Census Area Summary

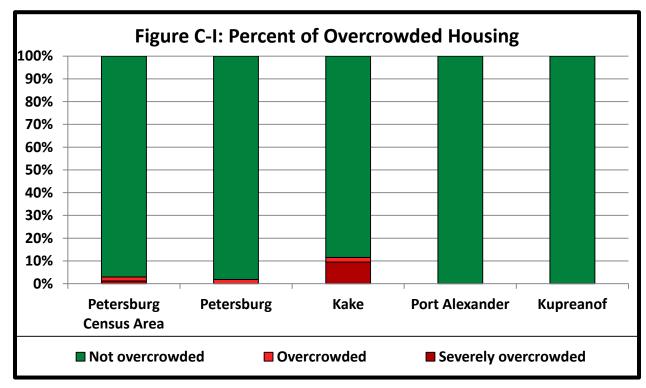
Community

The Petersburg census area is located on the southeast panhandle of Alaska and is in the Sealaska Native Corporation ANCSA region. Average home sizes in the census area range from 1,199 square feet in the community of Kake to 1,816 square feet in the community of Petersburg.

Overcrowding

There relatively little overcrowding in the Petersburg census area, with the exception of Kake, which has severe overcrowding in roughly 12% of households. Some communities have an estimated overcrowding, including Kupreanof and Port Alexander (Figure C-I).

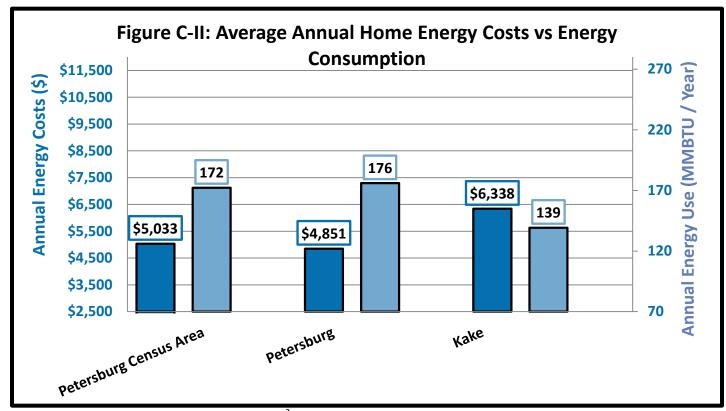
Approximately 4% of housing units in the census area are available for sale or rent. Kake has the largest percentage of available housing, 9%, and Port Alexander has the lowest percentage of available housing, with approximately zero housing units for sale or rent.





Energy

Annual energy use in the Petersburg census area is an average of 172 million BTUs per household (Figure C-II). This results in a census area average energy cost of \$5,033 vear. The per community of Petersburg has both the highest average home heating index, 9.6 BTUs/ft2/HDD and the lowest average energy cost, \$4,851, of all census area communities with sufficient data. In the contrast,



community of Kake has the lowest home heating index, 9.5 BTUs/ ft²/HDD, and the highest annual energy cost, \$6,338. One factor that may influence the higher annual energy costs in Kake is that fuel oil is more costly in Kake than the city of Petersburg.

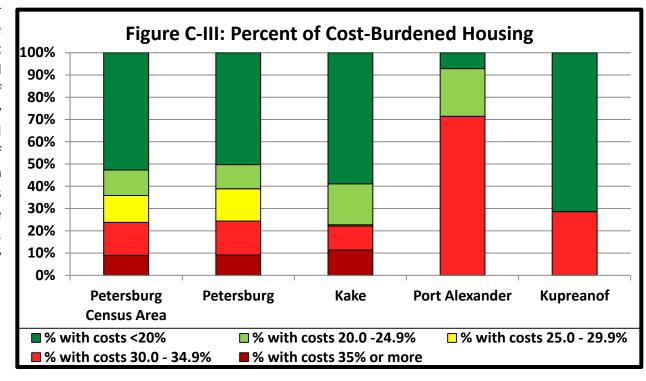
Throughout the census area, 21% of homes have completed the Home Energy Rebate, Weatherization, or a BEES program since 2003. However, participation rates vary by community. Kupreanof has had an estimated zero households participate in any program, in contrast to Port Alexander, in which half of all households have participated in a program. More than 85% of homes built in the census area since 2005 have a continuous ventilation system or HRV installed.



Affordability

According to ACS estimates¹, between 22% and 71% of households in Petersburg census area communities are cost-burdened, or spend more than 30% of household income on housing costs. The community of Kake is the most affordable community when it comes to housing, with only

22% of households considered costburdened. Port Alexander, on the other hand, has the highest percentage cost-burdened households. Over 70% households in Port Alexander pay more than 30% of their annual income on housing costs in spite of residents having the highest median household income in the census area at \$75,500 (Figure C-III). The lowest median household income, \$35,833, is found in the community of Kupreanof.



¹ CCHRC's analysis of ACS energy costs indicate that there are systematic underestimations for rural Alaska, which suggests that ACS-based cost burdened housing estimates are low. See Appendix A, "Analysis of American Community Survey Energy Cost Estimates" for more details.



Community, Regional, and Statewide Housing Characteristics

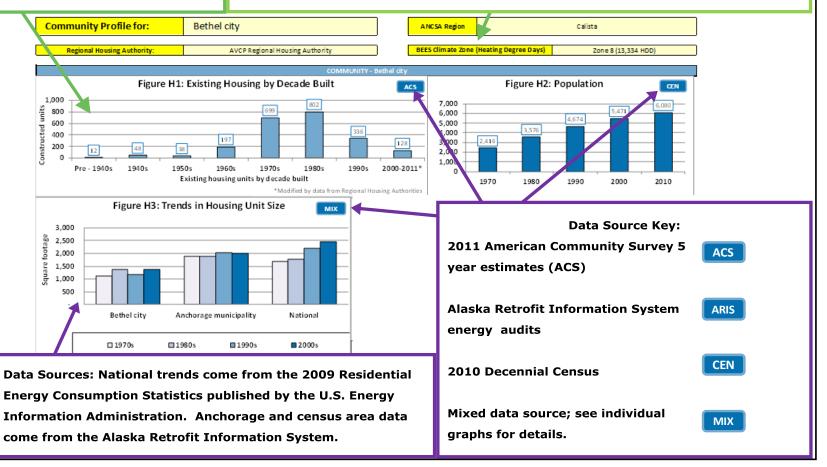
This census area summary only includes the highlights of housing characteristics at the census area level. Detailed data profile with charts and tables for both the census area and for each of the communities within it follow. The 2014 Alaska Housing Assessment provides a significant amount of data and analysis at statewide, ANCSA region, census area, and community levels. This assessment provides a statewide analysis of housing characteristics, how they compare to national numbers, and the estimated housing needs. Within the 2014 Alaska Housing Assessment, written summaries are available for each individual ANCSA region and census area, and data profiles are available for each community and census area characterizing the housing stock from the perspective of community, overcrowding, energy and affordability. These different tiers of information and analysis allow researchers, housing authorities, policymakers and others to generate answers to specific questions. For a detailed discussion of estimating housing need and comparison of methods to previous Housing Assessments, see Appendix B, "Statewide Need Assessment" of the 2014 Alaska Housing Assessment.





This graph show the breakdown of *current* housing stock by the decade in which the housing units were built. It does *not* show trends over time.

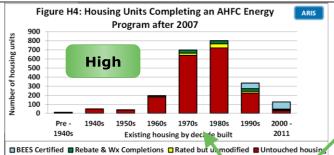
The Alaska Building Energy Efficiency Standard (BEES) was established by AHFC for the State of Alaska to promote the construction of energy efficient buildings. The standards for specific building components are divided into four climate zones, from Zone 6 in Southeast AK to Zone 9 on the North Slope.







Energy program activity within communities with high, medium and low amounts of ARIS data available. (See p.7 of "How to Interpret" for detail on data levels).



Communities - AHFC Energy Program Activity

High Data - Reported by decade built for the housing units.

Medium Data - Reported by percent of total housing units touched.

Low Data - Have few or no post-2008 Weatherization/Rebate completions or BEES certifications in the ARIS database.

American Community Survey (ACS) Data:

House-

20,816

15,459

ACS

Estimated Total Community Space Heating Fuel Use by Ty

Complete Plumbing: Includes hot & cold running water, a flush toilet, and a bathtub or shower within the home.

Complete Kitchen: Includes a sink with a faucet, a stove/range, and a refrigerator.

% House-

holds

10%

0%

(gallons)

(ccf)

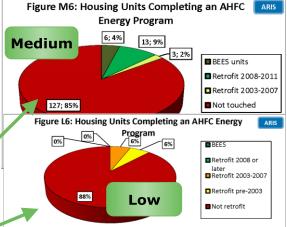
(kWh)

(cords)

(gallons)

(tons)

	K
Avg Annual Energy Cost with PCE	\$5,265
Avg Annual Energy Cost without PCE	\$6,643
Estimated Energy Prices as	of January 2013
#1 Fuel oil cost (\$ / gallon)	\$5.16
Electricity with PCE (\$/kWh)	\$0.03
Electricity cost without PCE (\$/kWh)	\$0.27



- PCE = Power Cost Equalization
- Average Annual Energy Cost with PCE:
 The cost to the household after it has been lowered by the PCE subsidy.
- Without PCE: The actual energy cost, including the amount paid by the State for PCE.

Weatherization Prog	
(funding increase	ed in 200′
Date Range	Units
2008-2011	17
2003-2007	-
1990-2002	10
	•
Housing Stock Estimat	:es
All Housing	

LOccupied Housing

using

incriousing for Sale or Rent

CEN

Units weatherized
before 2008 are
eligible to participate
in the program again.
(Data source: Alaska
Housing Finance
Corporation).

Houses Lacking Complete

Plumbing or Kitchen Facilities

Lack complete plumbing

Lack complete kitchen

Fuel Oil

Nat Gas

Electricity

Wood

Propane

Coal

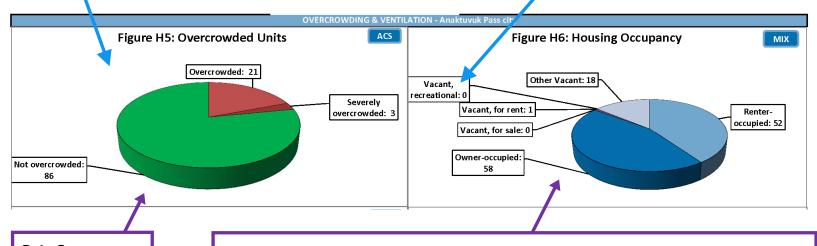




Overcrowded: Housing units with more than 1 person per room Severely Overcrowded: Housing units with more than 1.5 people per room.

"Rooms" include bedrooms, living rooms, dining rooms, kitchens, and other finished, separated spaces, but not including bathrooms, porches, balconies, foyers, halls, or unfinished basements.

Recreational: For seasonal, recreational, or occasional use.



Data Source:
2011 American
Community
Survey 5-year
estimates

Data Sources: The number of owner-occupied, renter-occupied, and total vacant units are taken from the 2011 ACS 5-year estimates. Data for vacancy type, only available from the decennial Census, were derived by taking the decennial census ratios by vacancy type and applying them to the total number of vacant units.





Heat Recovery: Continuous mechanical ventilation with heat recovery operated with automatic controls.

Continuous: Mechanical ventilation without heat recovery operated with automatic controls.

Non-Continuous ventilation: Includes homes with range and/or bath fans not operated using automatic controls.

ACH50: The results of a blower door test to measure building air leakage. Smaller numbers indicate tighter buildings. Tighter buildings lose less heated air to the outside and thus use less energy for space heating.

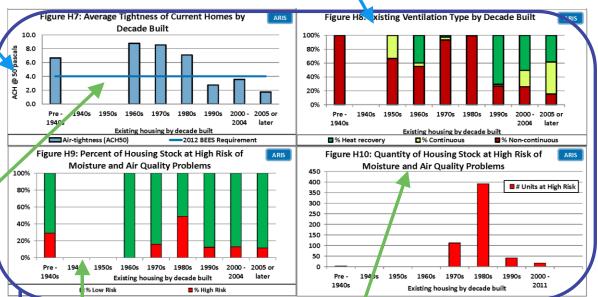
The 2012 Building Energy
Efficiency Standard
(BEES) for air-tightness is
for reference only, as it
was implemented after
the majority of homes in
Alaska were built.

Data Source:
Alaska Retrofit
Information
System

Decades with no bar lack sufficient data for reporting. They should not be considered zero

quantities.

High Risk of Moisture and Air Quality Problems: Note that moisture or poor indoor air quality have not been physically measured; these houses are considered "at-risk" because they are relatively air tight (less than 0.5 estimated natural air changes per hour) and do not have a continuous ventilation system.





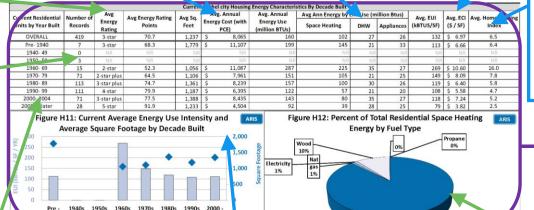


Rating stars and points are based on AHFC's AkWarm energy rating system. Average annual energy cost:
Includes all end uses. Costs
are estimated using January
2013 energy prices, and
include reductions from the
PCE program.

Space Heating, DHW, Appliances:
Estimated annual energy for the end
uses of: Space Heating, Domestic Hot
Water, and all other energy including
lights, appliances, and electronics.

ECI: Energy Cost Index, the amount of money spent on energy per year divided by square footage.

The number of AkWarm records from each decade built that were used to calculate the averages reported.



Home Heating Index:
The energy used per square foot per year divided by the area's

heating degree days.

Data Source:
AkWarm ratings from
AHFC's Alaska
Retrofit Information
System (ARIS).

Average energy characteristics of the *current* housing stock by decade built (high data communities) or by pre-/post-retrofit and new construction categories (medium data communities).

Energy Use Intensity
(EUI) is the total
amount of energy
used per year per
square foot of floor
space.

Existing housing by decade built

This is the community's breakdown by fuel type of the energy (BTUs) used for home space heating. It is not the percent of housing using a given fuel in primary space heating devices. Because wood burning devices are inefficient, they may use a significant portion of total energy even if no homes in a community use wood as a primary fuel.





Average building envelope characteristics of the *current* housing stock by decade built (high data communities) or by pre-/post-retrofit and new construction categories (medium data communities).

ACH50: The results of a blower door test to measure building leakiness. Smaller numbers indicate tighter buildings.

R-value: the capacity to resist heat flow. The higher the value, the better the insulator.

U-value: the conductance to heat flow. The lower the value, the better the insulator.

Data Sources: AkWarm ratings from AHFC's Alaska Retrofit Information System (ARIS).

				Current Bethel	city Housing Er ve	lope Characteristic	s By Decade Built				
Current Residential Units by Year Built	Number of	ACH 50	Ceiling R	Above Grade Wall R	Below Graue Wall R	Above Grade Floor R	On Grade Floor R	Below Grade Floor R	Door U	Garage Door U	Window U
OVERALL	419	6.4	23	17	7	30	NR	2	0.36	0.27	0.54
Pre- 1940	7	6.7	26	21	NR	30	NR	NR	0.30	NR	0.40
1940- 49	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1950- 59	3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1960- 69	15	8.8	16	14	NR	21	NR	NR	0.44	NR	1.65
1970- 79	71	8.5	20	15	NR	29	NR	NR	0.39	NR	0.57
1980- 89	113	7.1	29	17	NR	32	NR	NR	0.30	NR	0.44
1990- 99	111	2.7	56	31	NR	50	NR	NR	0.19	0.12	0.29
2000- 2004	71	3.6	13	21	NR	36	NR	NR	0.27	0.23	0.40
2005 or later	28	1.7	41	22	NR	41	NR	NR	0.20	NR	0.31
BEES 2009 - Clima	te Zone 8	7.0	38	30	15	38	15	15	0.22	0.22	0.22
BEES 2012 Clima	te Zone 8	4.0	48	30	1 5	38	15	15	0.22	0.22	0.22

The number of
AkWarm records from
each decade built that
were used to calculate
the averages
reported.

"NR" is used when there are insufficient records to protect the confidentiality of the occupants.

Color Coding--

Green: the average value meets or exceeds the 2012 BEES requirement.

Yellow: value is 75-99% of the 2012 BEES requirement.

Red: value is less than 75% of the 2012 BEES requirement.



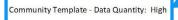


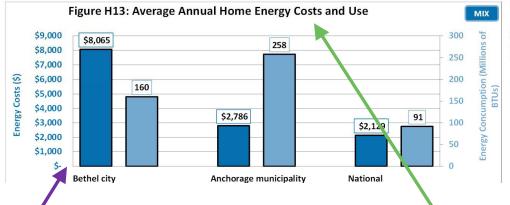
Communities are categorized in this report by the amount of ARIS data available, and reporting is more extensive for locations with more data. Data quantities are defined as--

High: ARIS records exist for housing units built in 7 of the 9 date ranges use in this report, and there are either more than 50 records or records totaling 20 percent or more of the total number of housing units.

Medium: There are three or more ARIS records. Data are presented for an "overall" group if there are "As Is" ARIS records totaling at least 10% of the community's occupied housing units.

Low: There are fewer than three ARIS records for the location.





Housing Information	Avg Household Size (# of people)
All-occupied	3.4
Owner-occupied	3.7
renter-occupied	3.1

Data Source:
2007-2011 American
Community Survey

Data Sources: Census Area and Anchorage data come from AFHC's Alaska Retrofit Information System.

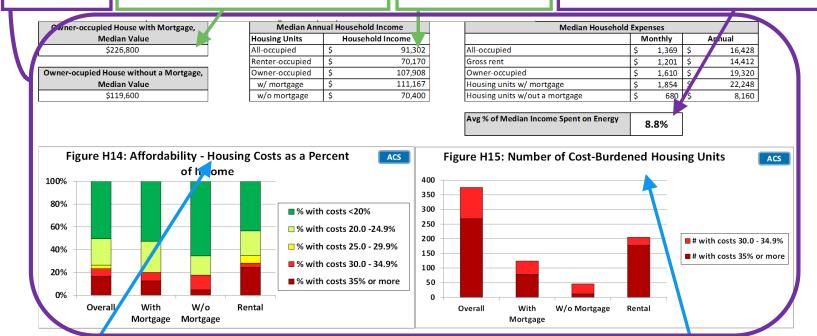
National figures come from the U.S. Energy Information Administration's 2009 Residential Energy Consumption Statistics (RECS) for "cold"/"very cold" climate regions. Average annual home energy costs and usage estimates are for all end uses, including space heating, domestic hot water, lighting and appliances. Costs are estimated using January 2013 energy prices and include reductions from the PCE program.





Data Source: 2007-2011 American Community Survey. "Value" is determined by responses to the ACS question: "How much do you think this house and lot, apartment, or mobile home (and lot, if owned) would sell for if it were for sale?" Household income includes all earnings from salaries, stocks, gifts, public assistance, etc.

Data Source: Median income comes from 2007-2011 ACS estimates; energy costs come from AHFC's Alaska Retrofit Information System (ARIS).



Rental housing costs: Contract rent, fuels, utilities.

Owner housing costs: Mortgage payments, property taxes, insurance, fuels, utilities, condo fees.

Households are considered "cost burdened" if they spend 30% or more of total household income on housing costs. Households spending more than this amount on housing costs may have difficulty affording basic necessities such as food, transportation, and medical care.



Census Area Profile for:

Petersburg Census Area

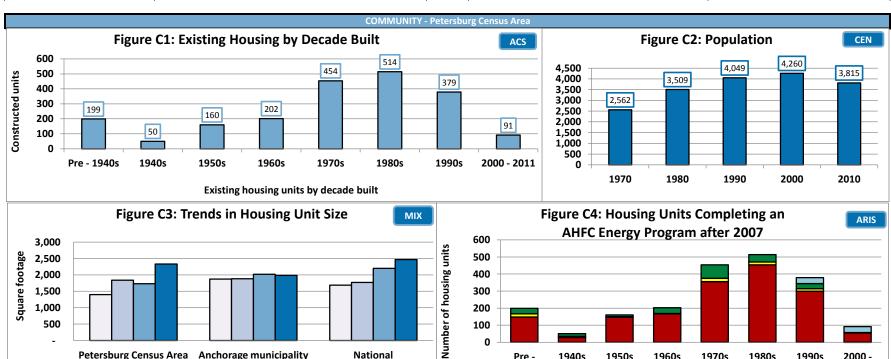
ANCSA Region: Sealaska Corporation

Regional Housing Authority:

Tlingit-Haida Regional Housing Authority

■ 1990s

BEES Climate Zone (Heating Degree Day Range) Zone 6 (7,200 - 9,000 HDD)



Houses Lacking Complete	Households			
Plumbing or Kitchen Facilities	Number	Percent		
Lack complete plumbing	30	2%		
Lack complete kitchen	30	2%		

□ 1970s

Estimated Total Annual Community Space Heating Fuel Use									
Fuel Oil	929,699	(gallons)							
Natural Gas	-	(ccf)							
Electricity	11,244,547	(kWh)							
Wood	1,512	(cords)							
Propane	55,204	(gallons)							
Coal	-	(tons)							

Petersburg Census Area Anchorage municipality

■ 1980s

Avg Annual Energy Cost with PCE	\$5,033
Avg Annual Energy Cost without PCE	\$5,300

National

2000s

Housing Need Indicators	Number of Units	% Occupied Housing
Overcrowded	46	3%
Housing cost burdened	356	23%
1 Star Homes	387	25%

Pre -

1940s

1940s

1950s

1960s

Existing housing by decade built

■ BEES Certified ■ Rebate & Wx completions ■ Rated but unmodified ■ Untouched housing

Weatherization Retrofits (funding									
increased 2008)									
Date Range	Units								
2008 -2011	123								
2003-2007	15								
1990-2002	54								

1970s

1980s

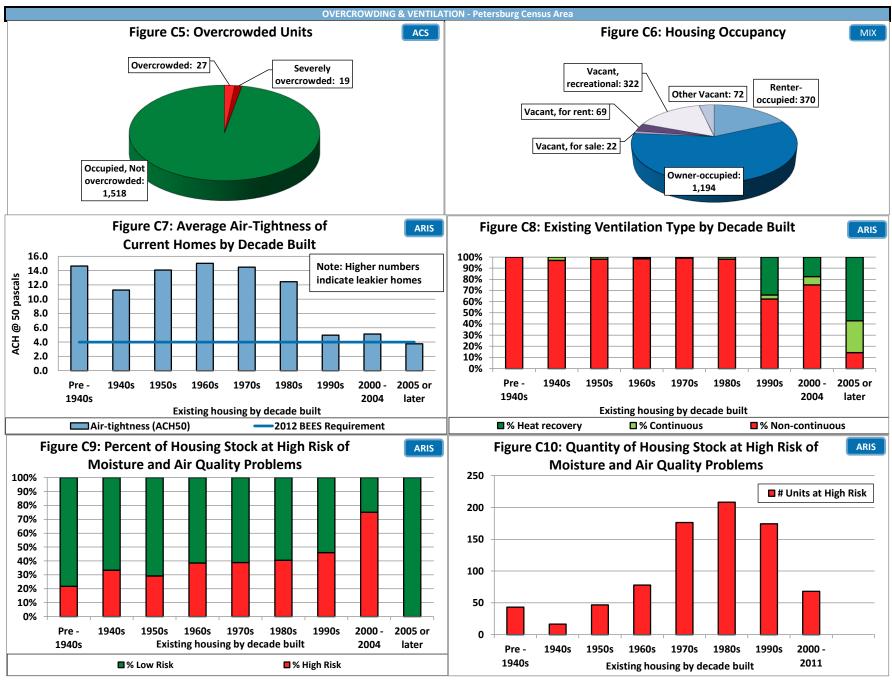
Housing Stock Estimates	Number of Units
All Housing	2,049
All Occupied Housing	1,564
All Vacant housing	485
Vacant Housing for Sale or Rent	91

2000 -

2011

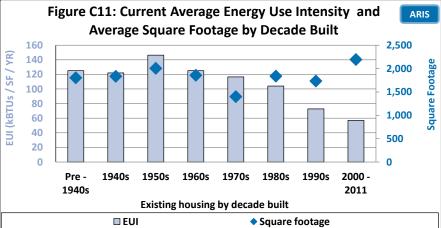
1990s

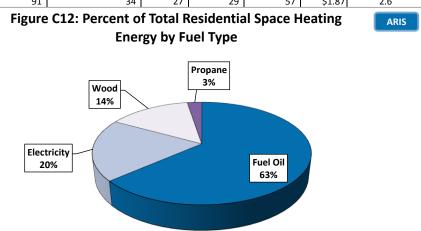






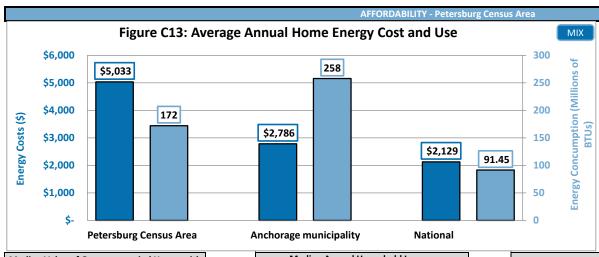
	ENERGY - Petersburg Census Area											
Current Petersburg Census Area Housing Energy Characteristics By Decade Built												
Current Residential	# of Avg Energy AkWarm Rating Records Stars	Rating Points F	Avg Sq. Feet	Avg. Annual	Avg. Annual	Avg. Annual Avg Ann Energy by E		illion Btus)	Avg. EUI	Avg. ECI	Avg. Home	
Units by Year Built				Energy Cost (with PCE)	Energy Use (million BTUs)	Space Heating	DHW	Appliances		(\$ / SF)	Heating Index	
OVERALL	520	2-star	59.1	1,753	\$5,033	172	115	25	30	112	\$3.39	9.8
Pre- 1940	83	1-star plus	40.0	1,803	\$5,565	213	159	22	31	125	\$3.29	11.9
1940- 49	38	1-star plus	48.9	1,834	\$5,824	212	151	30	31	122	\$3.27	11.3
1950- 59	24	1-star	35.5	2,005	\$7,105	283	230	22	31	146	\$3.47	14.9
1960- 69	69	1-star plus	48.5	1,857	\$5,810	198	150	20	28	125	\$3.84	11.9
1970- 79	179	2-star	59.3	1,400	\$5,346	156	105	25	27	117	\$4.08	9.8
1980- 89	101	2-star	58.7	1,838	\$4,805	173	121	23	29	104	\$2.99	9.2
1990- 99	112	4-star	80.6	1,733	\$3,511	114	56	21	26	73	\$2.37	5.0
2000- 2004	25	4-star	82.2	2,330	\$4,368	133	75	25	33	57	\$1.87	4.0
2005 or later	15	5-star	89.7	1,966	\$2,992	91	34	27	29	57	\$1.87	2.6





■ Loi ▼ Square rootage											
	Current Petersburg Census Area Housing Envelope Characteristics By Decade Built										
Current Residential Units by Year Built	# of AkWarm Records	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall R	Above Grade Floor R	On Grade Floor R	Below Grade Floor R	Door U	Garage Door U	Window U
OVERALL	520	12.4	15	10	2	17	3	3	0.40	0.40	0.60
Pre- 1940	83	14.6	10	7	2	14	2	2	0.41	0.42	0.63
1940- 49	38	11.3	11	9	2	13	2	3	0.34	NR	0.57
1950- 59	24	14.1	7	7	2	13	2	2	0.48	NR	0.68
1960- 69	69	15.0	11	9	2	13	2	NR	0.36	0.39	0.62
1970- 79	179	14.5	19	11	3	18	2	NR	0.36	0.42	0.63
1980- 89	101	12.4	20	12	3	18	2	NR	0.42	0.45	0.71
1990- 99	112	5.0	39	14	17	29	3	NR	0.48	0.30	0.37
2000- 2004	25	5.1	33	18	2	37	8	NR	0.22	0.37	0.33
2005 or later	15	3.8	36	18	NR	39	4	NR	0.29	NR	0.33
BEES 2009 - Climat	e Zone 6	7.0	38	21	15	30	15	15	0.33	0.33	0.33
BEES 2012 - Climat	e Zone 6	4.0	43	25	15	38	15	15	0.30	0.30	0.30





Housing Information	Avg Household Size (# of people)
All-occupied	2.3
Owner-occupied	2.4
Renter-occupied	2.2

Median Value of Owner-occupied House with

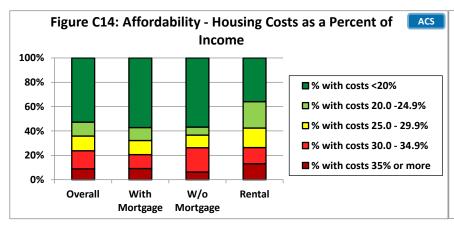
Mortgage
\$214,300

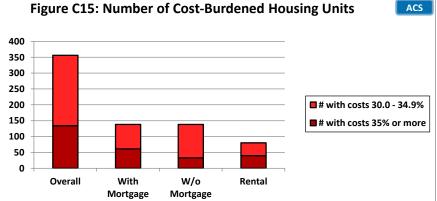
Median Value of Owner-occupied House without a Mortgage \$136,100

Median Annual Household Income						
Housing Units		Household Income				
All-occupied	\$	64,216				
Renter-occupied	\$	36,587				
Owner-occupied	\$	77,230				
w/ mortgage	\$	92,308				
w/o mortgage	\$	37,159				

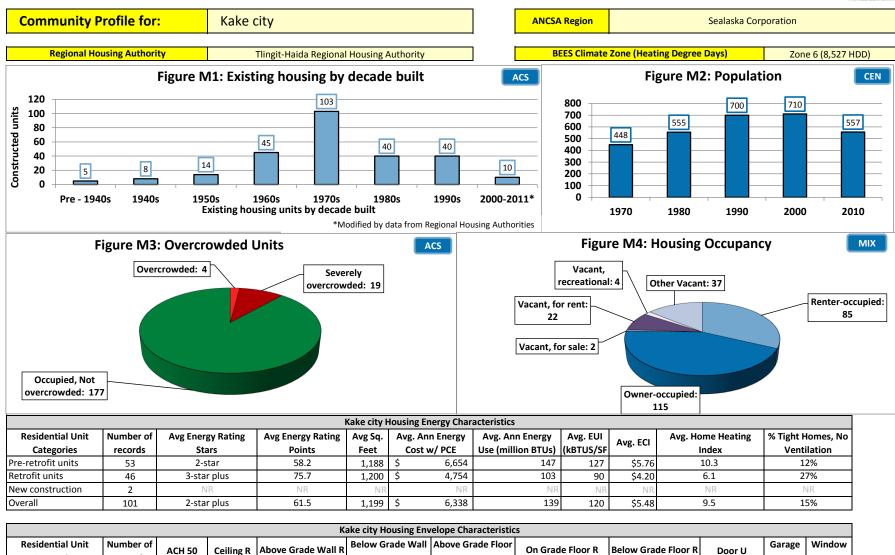
Median Housing Costs							
	r	Monthly		Annual			
All-occupied	\$	802	\$	9,624			
Gross rent	\$	760	\$	9,120			
Owner-occupied	\$	958	\$	11,496			
Housing units w/ mortgage	\$	1,455	\$	17,460			
Housing units w/out a mortgage	\$	494	\$	5,928			

	Avg % of Median Income Spent on Energy	7.8%
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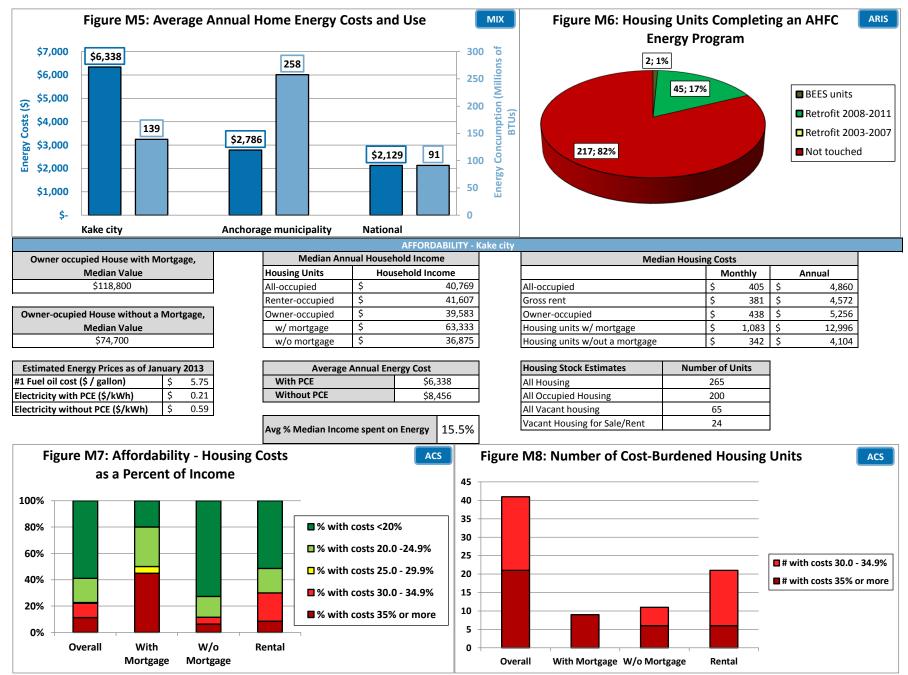




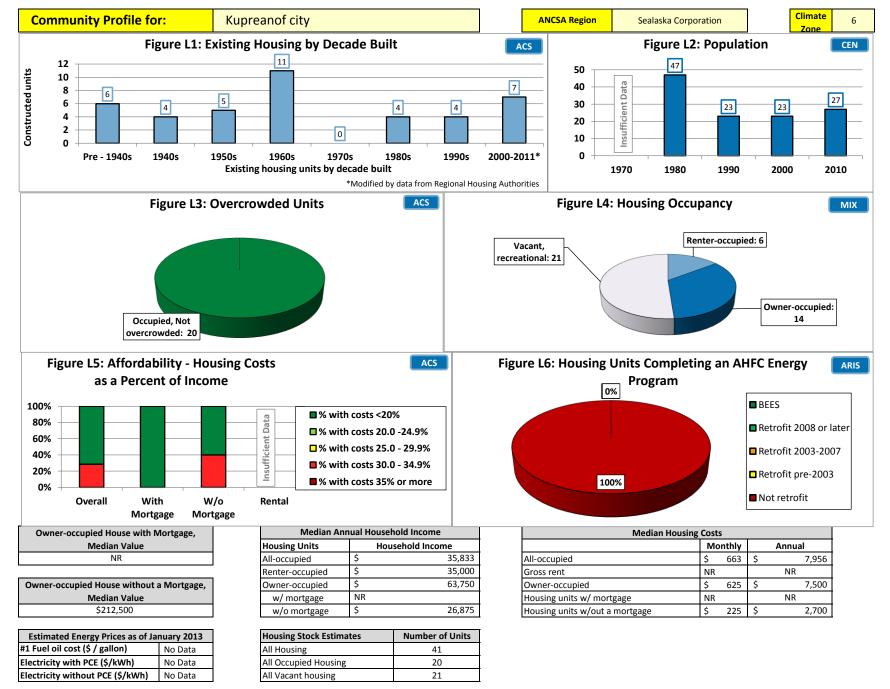


Kake city Housing Envelope Characteristics											
Residential Unit	Number of	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window
Categories	Records	ACH 30	Ceiling K	Above Grade Wall K	R	R	Oli Grade Floor K	Delow Grade Hoor K	טוטטו ט	Door U	U
Pre-retrofit units	53	12.5	20	9	NR	18	NR	NR	0.42	NR	0.52
Retrofit units	46	9.6	37	12	NR	35	NR	NR	0.22	NR	0.41
New construction	2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Overall	101	12.2	21	10	NR	19	NR	NR	0.40	NR	0.51
BEES 2009	9	7.0	38	21	15	30	15	15	0.33	0.33	0.33
BEES 2012	2	4.0	43	25	15	38	15	15	0.30	0.30	0.30











Community Profile for: Petersburg city

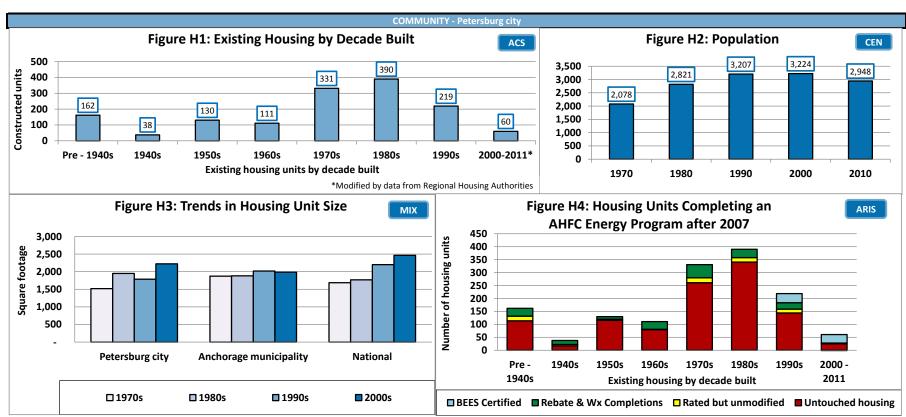
ANCSA Region Sealaska Corporation

Regional Housing Authority:

Tlingit-Haida Regional Housing Authority

BEES Climate Zone (Heating Degree Days)

Zone 6 (8,134 HDD)



Houses Lacking Complete	Households			
Plumbing or Kitchen Facilities	Number	Percent		
Lack complete plumbing	3	0%		
Lack complete kitchen	17	1%		

Estimated Total A	Estimated Total Annual Community Space Heating Fuel Use						
Fuel Oil	774,717	(gallons)					
Nat Gas	-	(ccf)					
Electricity	10,357,489	(kWh)					
Wood	1,216	(cords)					
Propane	23,853	(gallons)					
Coal	-	(tons)					

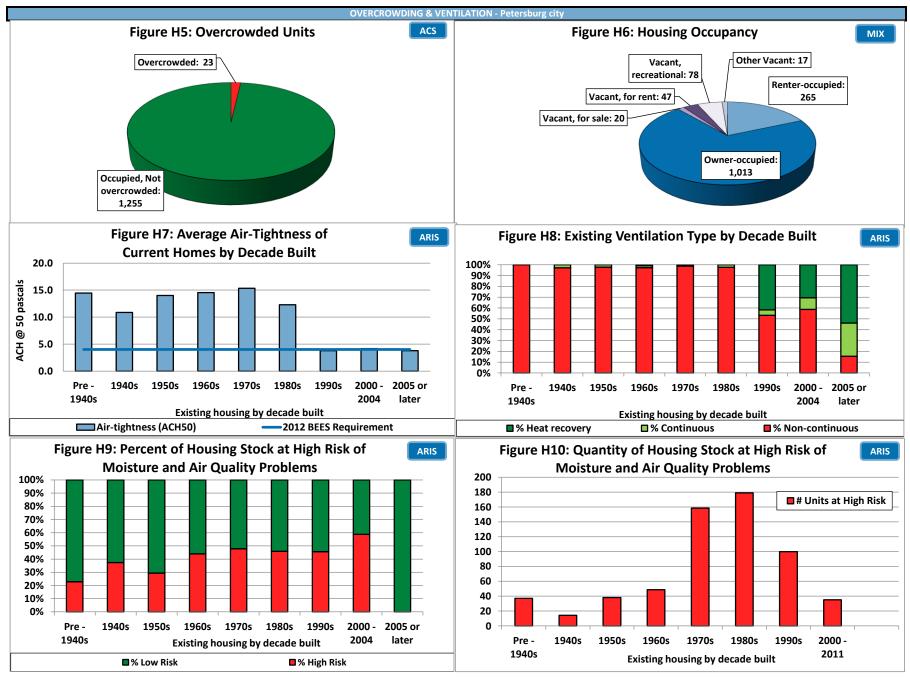
Avg Annual Energy Cost with PCE	NO PCE
Avg Annual Energy Cost without PCE	\$4,851

Estimated Energy Prices as of January 2013						
#1 Fuel oil cost (\$ / gallon)	\$4.27					
Electricity with PCE (\$/kWh)	No PCE					
Electricity cost without PCE (\$/kWh)	\$0.12					

Weatherization Program Retrofits					
(funding increased in 2008)					
Date Range	Units				
2008-2011	79				
2003-2007	10				
1990-2002	52				

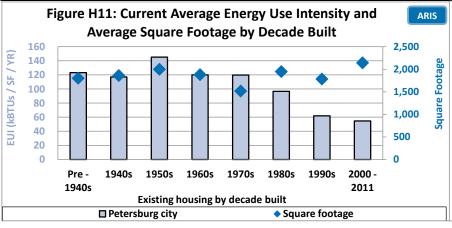
Housing Stock Estimates	Number of Units
All Housing	1441
All Occupied Housing	1278
All Vacant housing	163
Vacant Housing for Sale or Rent	67

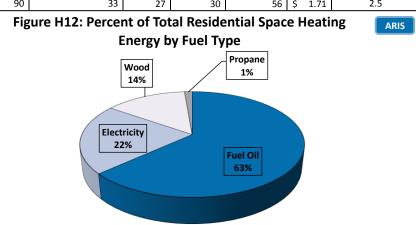






ENERGY - Petersburg city												
Current Petersburg city Housing Energy Characteristics By Decade Built												
Current Residential	Number of Records	Avg Energy Rating Stars	Avg Energy Rating Points	Avg Sq. Feet	Avg. Annual Energy Cost	Avg. Annual Energy Use (million BTUs)	Avg Ann Energy by End Use (million Btus)			Avg. EUI	Avg. ECI	Avg. Home Heating
Units by Year Built							Space Heating	DHW	Appliances	(kBTUS/SF)	(\$ / SF)	Index
OVERALL	459	2-star	58.8	1,816	\$ 4,851	176	116	25	30	108	\$ 3.02	9.6
Pre- 1940	78	1-star plus	40.9	1,802	\$ 5,488	210	156	22	32	123	\$ 3.24	11.7
1940- 49	37	2-star	52.5	1,861	\$ 5,750	207	144	31	31	117	\$ 3.20	10.6
1950- 59	24	1-star	36.0	1,999	\$ 7,049	281	227	22	31	145	\$ 3.44	14.8
1960- 69	61	1-star plus	49.7	1,881	\$ 5,447	192	142	21	29	120	\$ 3.57	11.3
1970- 79	119	2-star	58.5	1,517	\$ 5,053	172	117	26	29	120	\$ 3.53	10.5
1980- 89	81	2-star	59.3	1,949	\$ 4,642	172	119	24	29	97	\$ 2.66	8.6
1990- 99	102	4-star plus	83.1	1,785	\$ 3,027	106	46	19	24	62	\$ 1.80	4.0
2000- 2004	24	4-star plus	84.7	2,222	\$ 3,905	120	62	26	32	55	\$ 1.76	3.5
2005 or later	14	5-star	89.7	2,009	\$ 2,803	90	33	27	30	56	\$ 1.71	2.5





Current Petersburg city Housing Envelope Characteristics By Decade Built												
Current Residential Units by Year Built	Number of Records	ACH 50	Ceiling R	Above Grade Wall	Below Grade Wall	Above Grade Floor R	On Grade Floor R	Below Grade Floor R	Door U	Garage Door U	Window U	
OVERALL	459	12.2	15	10	2	17	3	3	0.40	0.40	0.61	
Pre- 1940	78	14.4	11	7	2	14	2	2	0.41	0.41	0.62	
1940- 49	37	10.9	11	9	2	14	2	3	0.34	NR	0.54	
1950- 59	24	14.0	8	7	2	13	2	2	0.47	NR	0.67	
1960- 69	61	14.5	12	9	2	14	2	NR	0.36	0.39	0.61	
1970- 79	119	15.3	18	12	3	16	2	NR	0.37	0.42	0.69	
1980- 89	81	12.3	19	13	3	19	2	NR	0.41	0.45	0.73	
1990- 99	102	3.8	49	23	19	35	3	NR	0.26	0.26	0.31	
2000- 2004	24	4.2	35	19	3	38	6	NR	0.24	0.37	0.33	
2005 or later	14	3.8	36	18	NR	39	NR	NR	0.30	NR	0.33	
BEES 2009 - Climate Zone 6		7.0	38	21	15	30	15	15	0.33	0.33	0.33	
BEES 2012 - Climate Zone 6		4.0	43	25	15	38	15	15	0.30	0.30	0.30	



