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Stevens Village	Data Quantity: Medium	59
Takotna	Data Quantity: Medium	61



Tanana	Data Quantity: Medium	6
Venetie	Data Quantity: Medium	6!



Yukon-Koyukuk Census Area Dashboard

Population: The Alaska Department of Labor and Workforce Development's current (2012) population estimate for the Yukon-Koyukuk Census Area is 5,682–a decrease of 15% from 2000.

Housing Units: There are currently 4,027 housing units in the Yukon-Koyukuk Census Area. Of these, 2,041 are occupied, 134 are for sale or rent, and the remaining 1,852 are seasonal or otherwise vacant units (Profile Figure C6).

Energy: The average home in the Yukon-Koyukuk Census Area is 1,042 square feet and uses 165,000 BTUs of energy per square foot annually, 21% more than the statewide average of 137,000 BTUs per square foot.

Energy Costs: Using AKWarm estimates, average annual energy cost for homes in the Yukon-Koyukuk Census Area is \$5,890, which is approximately 2.1 times more than the cost in Anchorage, and 2.8 times more than the national average (Profile Figure C13).

Energy Programs: Approximately 19% of occupied housing in the Yukon-Koyukuk 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 before 1940 are currently rated at 1-star-plus, compared to a current average rating of 3-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 meet the 2009 BEES standard of 7 air-changes per hour at 50 pascals (ACH50). In contrast, homes built in the 1960s are 4.6 times leakier than those built since 2000 (Profile Figure C7).

Ventilation: An estimated 1,141 occupied housing units (or 56%) in the Yukon-Koyukuk 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: 14% of occupied units are estimated to be either overcrowded (8%) or severely overcrowded (6%). This is roughly 5 times the national average, and makes the Yukon-Koyukuk Census Area the seventh most overcrowded census area in the state.

Affordability: On average, approximately 25% of households in the Yukon-Koyukuk 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 17% of census median area income for occupied housing.



Yukon-Koyukuk Census Area Summary

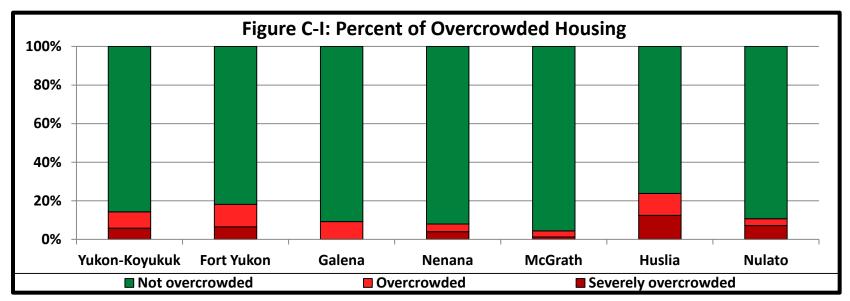
Community

The Yukon-Koyukuk census area is located in Interior Alaska, stretching from the Canadian border to near the Western coast of Alaska. It is bisected by the Yukon River, which is joined by the Koyukuk River just before turning south. Most of the communities in the census area are located on the banks of one of these rivers or their tributaries. The census area is in the Doyon Native Corporation ANCSA region. Average homes in Yukon-Koyukuk range in size from 966 square feet in Huslia to 1,152 square feet in Nenana. The average home size for the entire census area is 1,042 square feet.

Overcrowding

In the Yukon-Koyukuk census area, 14% of occupied housing units are overcrowded (Figure C-I). The six most populous communities in the region have overcrowding rates that range from a low of 4% in McGrath to a high of 24% in Huslia, which is almost twice the average for the census area. Among all communities in the census area, the most crowded is Takotna, with 38% of households having more than one person per room. The least crowded community in Yukon-Koyukuk is Arctic Village, with approximately no overcrowded households.

Approximately 3% of housing in the Yukon-Koyukuk census area is available for sale or rent. The amount of available housing in communities in the census area ranges from approximately no available housing in Circle to 21% of housing units considered available in Nikolai.



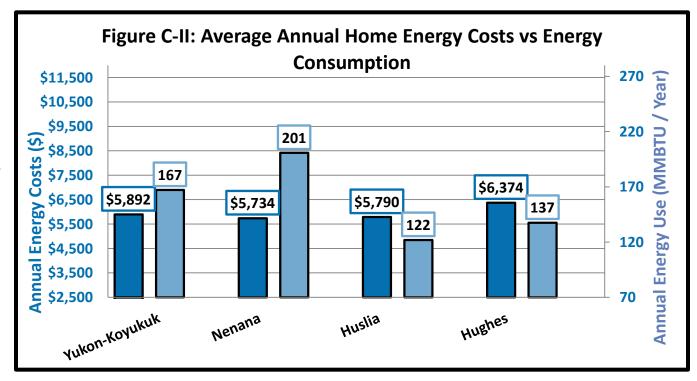


Energy

Average energy consumption in the Yukon-Koyukuk census area is 167 million BTUs, for an average annual energy cost of \$5,892 (Figure C-II). The lowest energy costs in the census area are found in the community of Nenana, where residents pay an average annual energy cost of \$5,734, despite having the highest home heating index in the census area, with homes using an average of 10.5 BTUs/ft²/HDD. The lowest average home heating index in Yukon-Koyukuk is found in Huslia, with homes using an average of 5.8 BTUs/ft²/HDD. The community of Hughes has the highest annual energy costs at \$6,374.

Between 38% and 48% of homes built in Yukon-Koyukuk communities since the 1990s have an HRV installed. Approximately 19% of homes in

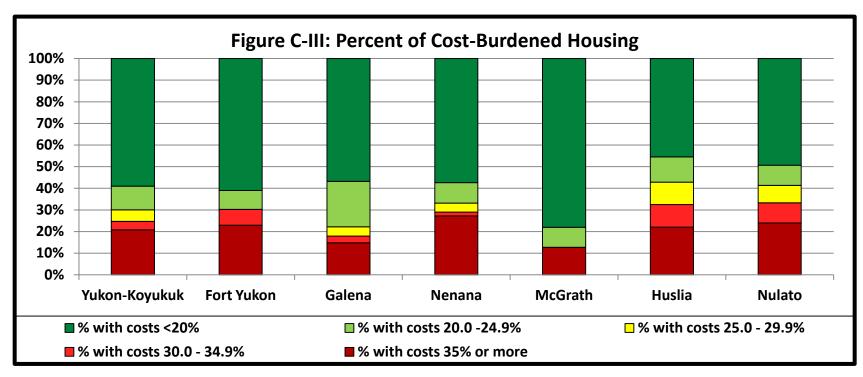
the census area have also participated in an energy program since 2003. including the Home Energy Rebate, Weatherization, or a **BEES** program. The community of Stevens Village has the highest participation, with an estimated 100% of homes having completed a program. The lowest participation rate is found in Arctic Village, where an estimated zero homes have participated. In the six most populous communities, participation rates range from 1% to 47%.





Affordability

According to ACS estimates¹, the percentage of cost-burdened homes in the Yukon-Koyukuk census area communities varies widely, from an estimated zero cost-burdened households in Hughes to almost half (48%) of households in Venetie spending more than 30% of household income on housing costs. The six most populous communities have between 13% and 33% of households that are cost-burdened (Figure C-III).



These communities include Nulato and Huslia, which both have roughly 1 in 3 households paying housing costs greater than 30% of household income. Overall, the census area has approximately 25% of households spending more than 30% of their income on housing costs.

Median household incomes for the census area also span a large range, from \$9,904 in Venetie to \$92,188 in Bettles. The six most populous communities have median household income between \$24,167 and \$69,821.

¹CCHRC'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, "An Analysis of American Community Survey Energy Cost Estimates" for more details.



Community, Regional, and Statewide Housing Characteristics

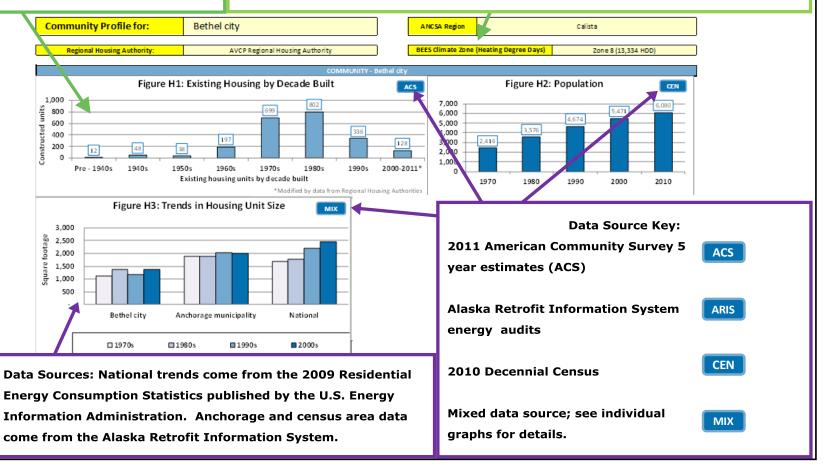
This census area summary only includes the highlights of housing characteristics at the census area level. Detailed data profile with charts and tables for both the census area and for each of the communities within it follow. The 2014 Alaska Housing Assessment provides a significant amount of data and 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.

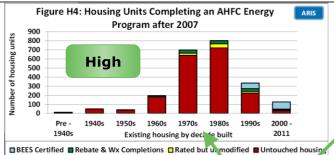
The Alaska Building Energy Efficiency Standard (BEES) was established by AHFC for the State of Alaska to promote the construction of energy efficient buildings. The standards for specific building components are divided into four climate zones, from Zone 6 in Southeast AK to Zone 9 on the North Slope.







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)

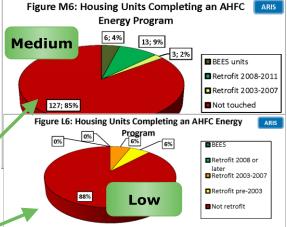
(kWh)

(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

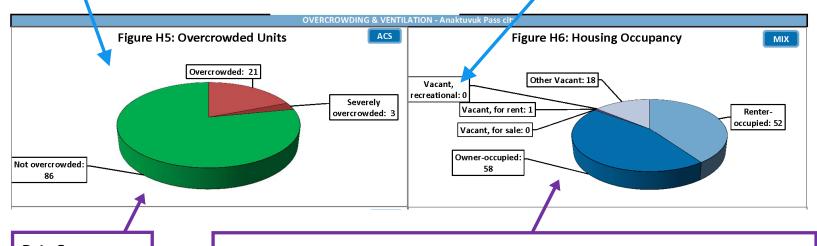




Overcrowded: Housing units with more than 1 person per room Severely Overcrowded: Housing units with more than 1.5 people per room.

"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.

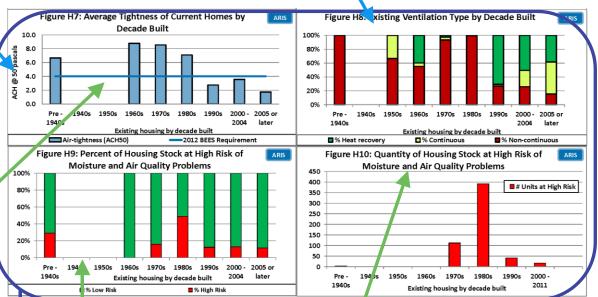
The 2012 Building Energy
Efficiency Standard
(BEES) for air-tightness is
for reference only, as it
was implemented after
the majority of homes in
Alaska were built.

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.





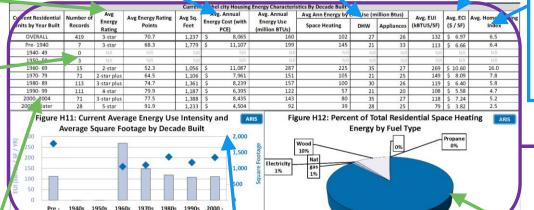


Rating stars and points are based on AHFC's AkWarm energy rating system. Average annual energy cost:
Includes all end uses. Costs
are estimated using January
2013 energy prices, and
include reductions from the
PCE program.

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 velope Characteristics 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.



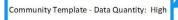


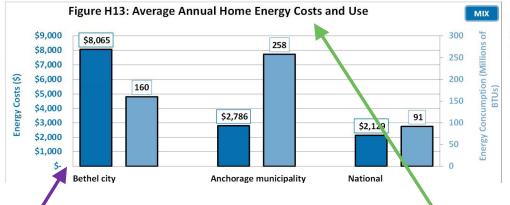
Communities are categorized in this report by the amount of ARIS data available, and reporting is more extensive for locations with more data. Data quantities are defined as--

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.

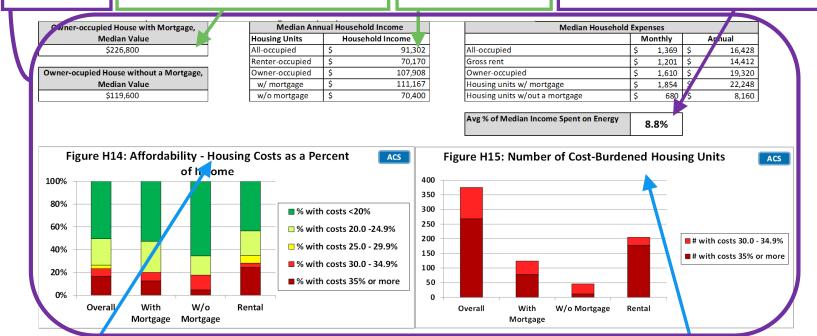
National figures come from the U.S. Energy Information Administration's 2009 Residential Energy Consumption Statistics (RECS) for "cold"/"very cold" climate regions. Average annual home energy costs and usage estimates are for all end uses, including space heating, domestic hot water, lighting and appliances. 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: Yukon-Koyukuk Census Area **ANCSA Region:** Doyon

Regional Housing Authority:

Interior Regional Housing Authority

BEES Climate Zone (Heating Degree Day Range) Zone 8 (12,600 - 16,800 HDD)

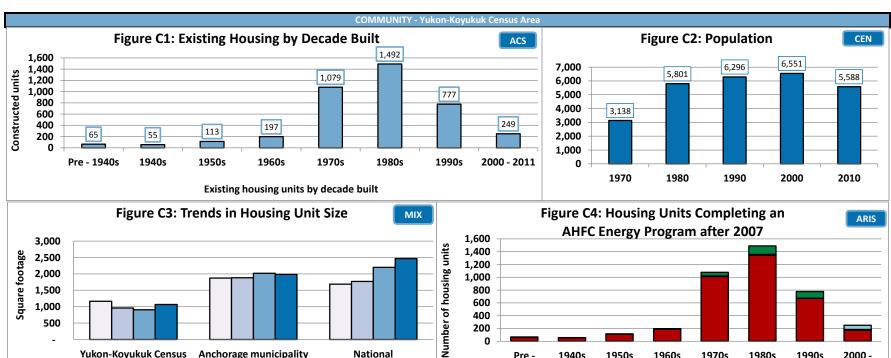


	Figure	C3: Trends in Ho	ousing Unit S	ize	MIX
3,000 2,500 1,500 1,000 500	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Census Anchorage n	nunicipality	National 2000s	
Houses	Lacking Complete	Households	1	Avg Annual F	nergy Co

(gallons)

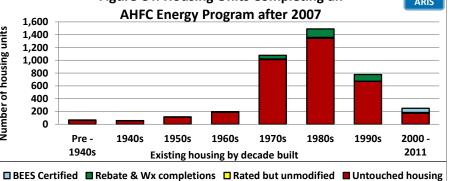
(ccf)

(kWh)

(cords)

(gallons)

(tons)



Houses Lacking Complete	Households			
Plumbing or Kitchen Facilities	Number	Percent		
Lack complete plumbing	814	40%		
Lack complete kitchen	694	34%		

Estimated Total Annual Community Space Heating Fuel Use

1,125,454

1,137,095

6,175

Avg Annual Energy Cost with PCE	\$5,892
Avg Annual Energy Cost without PCE	\$7,025

Housing Need Indicators	Number of Units	% Occupied Housing
Overcrowded	292	14%
Housing cost burdened	455	22%
1 Star Homes	332	16%
	ı	

weatherization ketrofits (funding				
increased 2008)				
Date Range	Units			
2008 -2011	303			
2003-2007	15			
1990-2002	189			

Housing Stock Estimates	Number of Units
All Housing	4,027
All Occupied Housing	2,041
All Vacant housing	1,986
Vacant Housing for Sale or Rent	134

Fuel Oil

Natural Gas

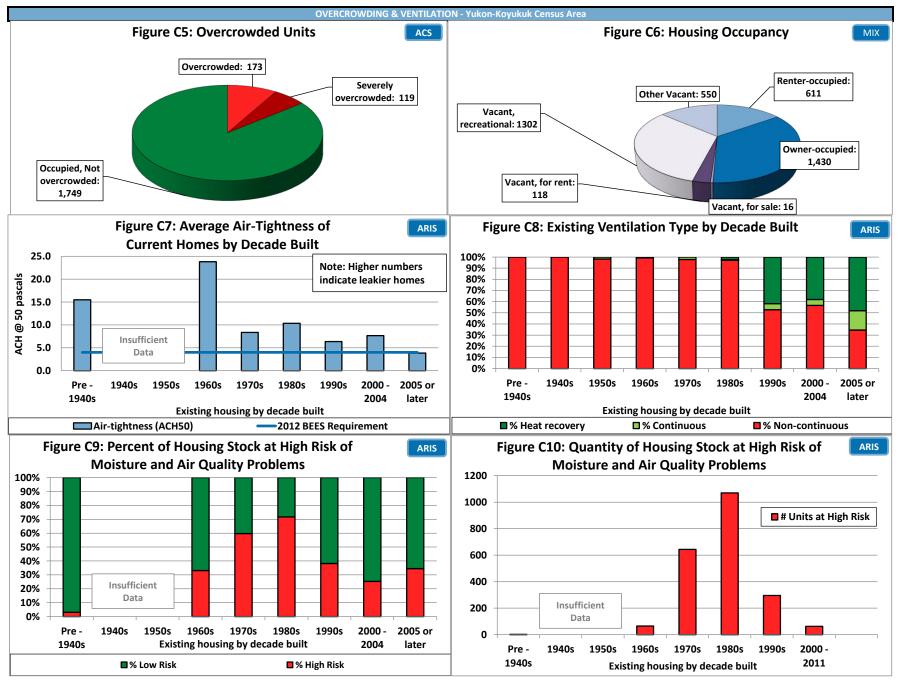
Electricity

Wood

Propane

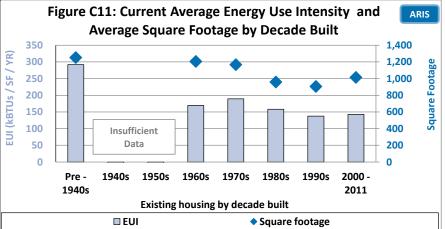
Coal

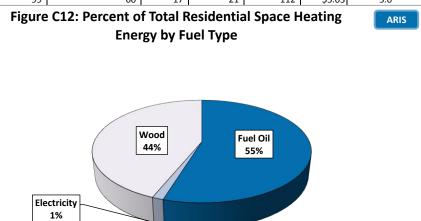






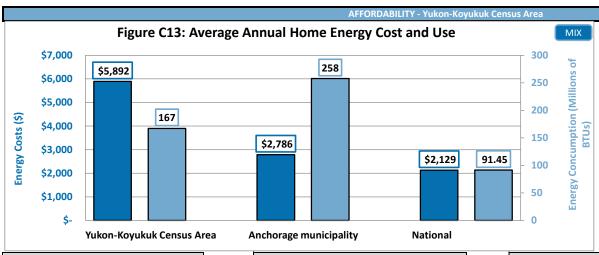
					ENERGY - Yuko	n-Koyukuk Census <i>l</i>	Area					
			Curren	t Yukon-Ko	yukuk Census Area	Housing Energy Cha	racteristics By Decade	Built				
Current Residential	# of	Avg Energy	Avg Energy Rating	Avg Sq.	Avg. Annual	Avg. Annual	Avg Ann Energy by	End Use (m	illion Btus)	Avg. EUI	Avg. ECI	Avg. Home
Units by Year Built	AkWarm Records	Rating Stars	Points	Feet	Energy Cost (with PCE)	Energy Use (million BTUs)	Space Heating	DHW	Appliances		(\$ / SF)	Heating Index
OVERALL	432	2-star plus	66.0	1,042	\$5,892	167	127	15	25	165	\$5.87	9.0
Pre- 1940	7	1-star plus	49.9	1,252	\$7,540	383	341	14	28	292	\$5.89	17.9
1940- 49	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1950- 59	3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1960- 69	12	2-star plus	64.2	1,205	\$7,085	222	174	22	26	169	\$6.09	9.6
1970- 79	71	2-star plus	62.5	1,167	\$7,485	198	159	16	23	189	\$6.96	10.9
1980- 89	149	2-star plus	64.6	959	\$4,876	142	107	11	24	158	\$5.49	8.6
1990- 99	107	3-star plus	75.1	905	\$4,878	121	84	14	23	137	\$5.47	6.7
2000- 2004	33	3-star	70.2	1,068	\$5,737	175	132	16	27	157	\$5.36	8.5
2005 or later	50	4-star	80.7	979	\$4,467	99	60	17	21	112	\$5.03	5.0





				• oqual e lootage							
			С	urrent Yukon-Koyukı	uk Census Area Hous	ing Envelope Charac	teristics By Decade Bu	ilt			
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	432	9.9	29	15	9	26	3	3	0.29	0.18	0.47
Pre- 1940	7	15.5	31	9	NR	NR	NR	NR	0.24	NR	0.54
1940- 49	1	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	12	23.8	30	13	NR	17	NR	NR	0.38	NR	0.47
1970- 79	71	8.4	26	14	4	18	3	2	0.29	0.20	0.51
1980- 89	149	10.3	27	16	10	30	3	2	0.28	NR	0.47
1990- 99	107	6.4	37	20	23	32	NR	4	0.32	NR	0.46
2000- 2004	33	7.6	36	15	NR	21	3	NR	0.28	0.16	0.44
2005 or later	50	3.8	42	20	18	38	NR	7	0.20	NR	0.29
BEES 2009 - Climat	e Zone 8	7.0	38	30	15	38	15	15	0.22	0.22	0.22
BEES 2012 - Climat	e Zone 8	4.0	48	30	15	38	15	15	0.22	0.22	0.22





Housing Information	Avg Household Size (# of people)
All-occupied	2.7
Owner-occupied	2.7
Renter-occupied	2.8

Median Value of Owner-occupied House with

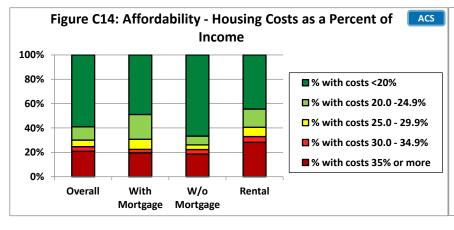
Mortgage
\$146,700

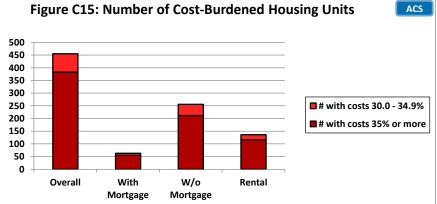
Median Value of Owner-occupied House without a Mortgage \$90,000

Median Ani	nual I	Household Income
Housing Units		Household Income
All-occupied	\$	35,335
Renter-occupied	\$	30,529
Owner-occupied	\$	39,022
w/ mortgage	\$	65,000
w/o mortgage	\$	30,625

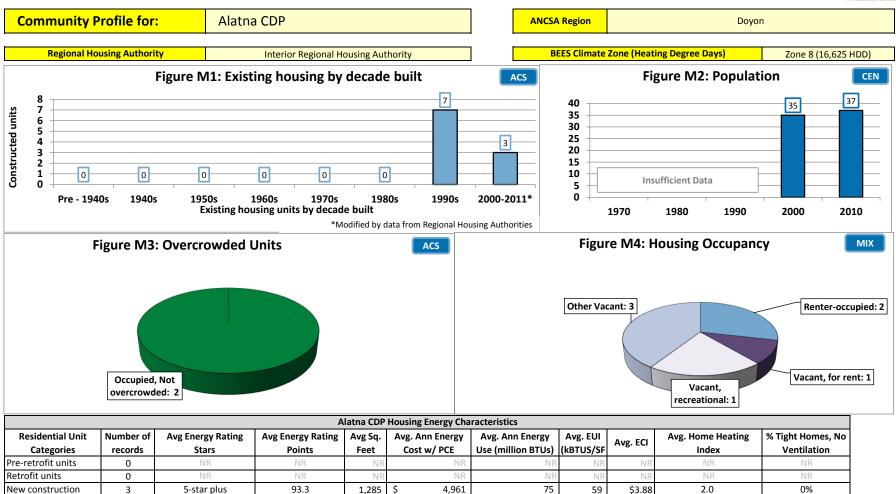
Median Housing	g Cost	:s	
	N	lonthly	Annual
All-occupied	\$	483	\$ 5,796
Gross rent	\$	654	\$ 7,848
Owner-occupied	\$	443	\$ 5,316
Housing units w/ mortgage	\$	1,159	\$ 13,908
Housing units w/out a mortgage	\$	369	\$ 4,428

	Avg % of Median Income Spent on Energy	16.7%
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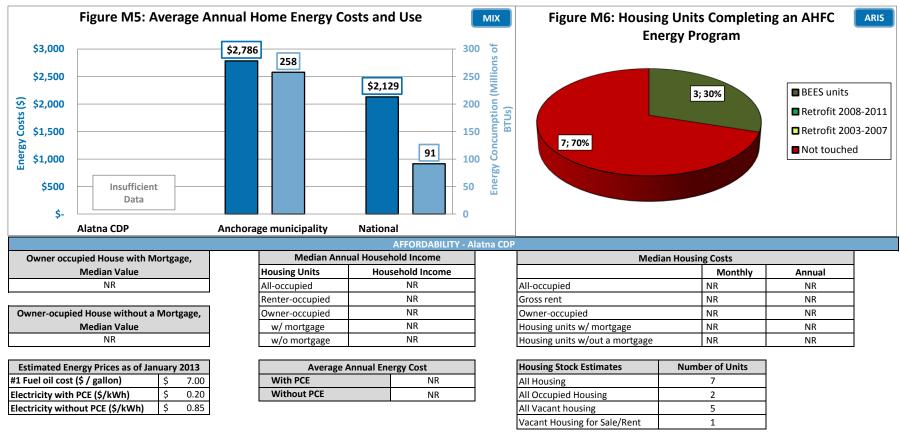


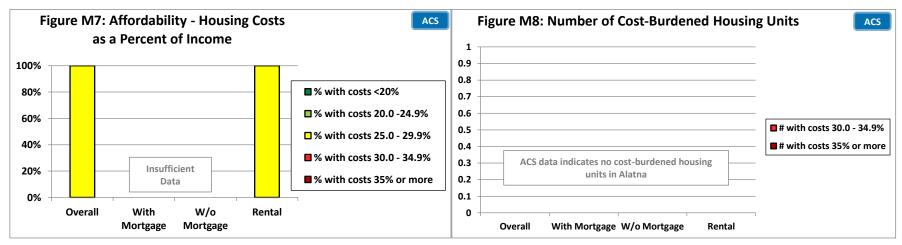




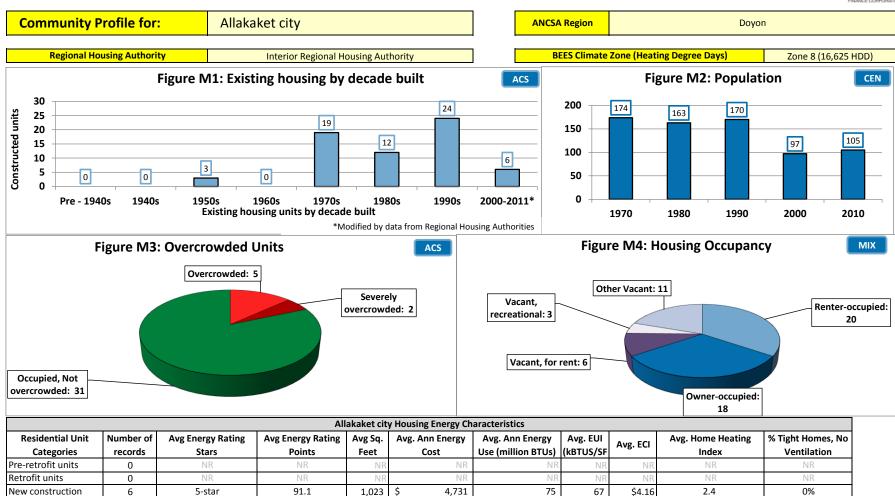
	Alatna CDP Housing Envelope Characteristics													
Residential Unit	Number of ACH 50	Cailing D	Above Grade Wall F	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window				
Categories	Records	ACH 30	Celling K	Above Grade Wall K	R	R	Oli diade filodi k	below drade 11001 K	Door o	Door U	U			
Pre-retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
Retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
New construction	3	2.3	40	33	NR	44	NR	NR	0.19	NR	0.28			
				1	1	, ,		,			ı			
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22			
BEES 2013	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22			











Allakaket city Housing Envelope Characteristics													
Residential Unit Number o		ACH 50	Cailing B	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	Cennig K	Above Grade Wall K	R	R	On Grade Floor K	below drade Floor R	D001 0	Door U	U		
Pre-retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
Retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
New construction	6	2.3	40	25	NR	35	NR	NR	0.19	NR	0.24		
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
			•							•			
BEES 200	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22		
BEES 201	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22		

67

\$4.16

2.4

0%

6

5-star

91.1

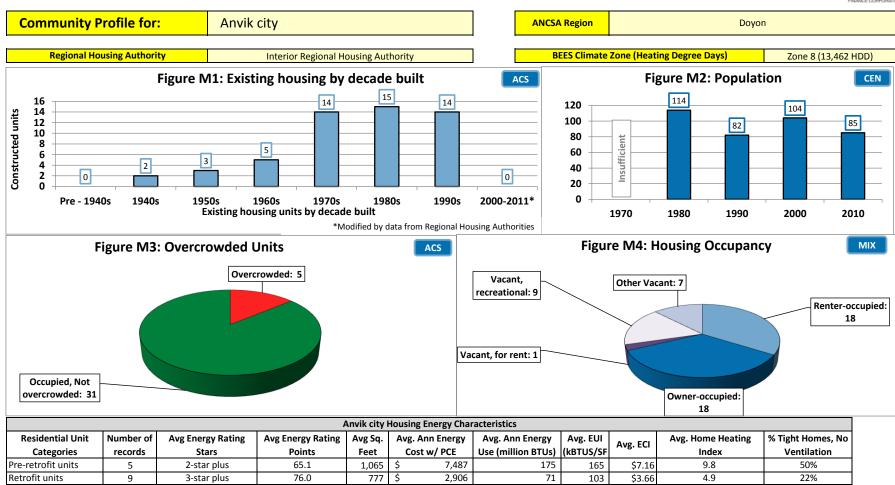
1,023

New construction







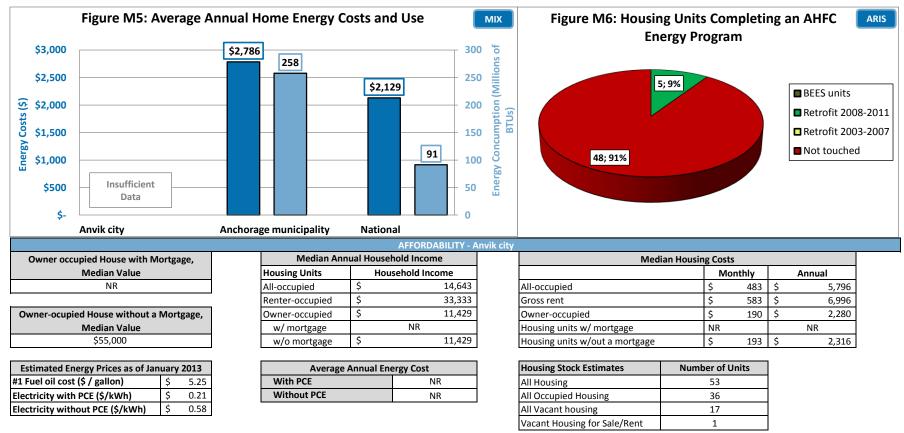


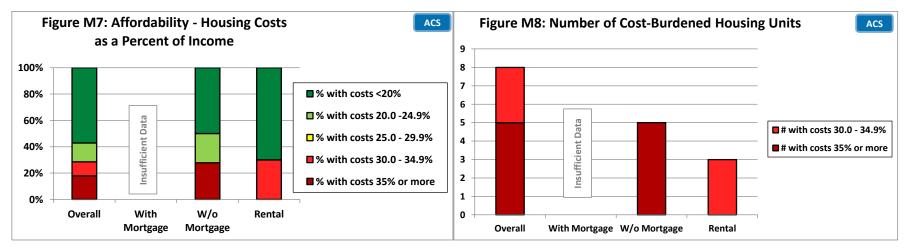
	Anvik city Housing Envelope Characteristics														
Residential Unit	tial Unit Number of		Cailing B	ing R Above Grade Wall R Below Grade Wall Above Grade Floor On Grade Floor R Below Grade Floor R	Below Grade Floor R	Door U	Garage	Window							
Categories	Records	ACH 50	Cennig it	Above Grade Wall It	R	R	Oli Grade Floor K	below drade Floor R	D001 0	Door U	U				
Pre-retrofit units	5	8.1	NR	NR	NR	NR	NR	NR	NR	NR	NR				
Retrofit units	9	7.5	41	16	NR	40	NR	NR	0.25	NR	0.33				
New construction	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR				
	•	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR				
	•														
BEES 200	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22				
BEES 201	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22				

0

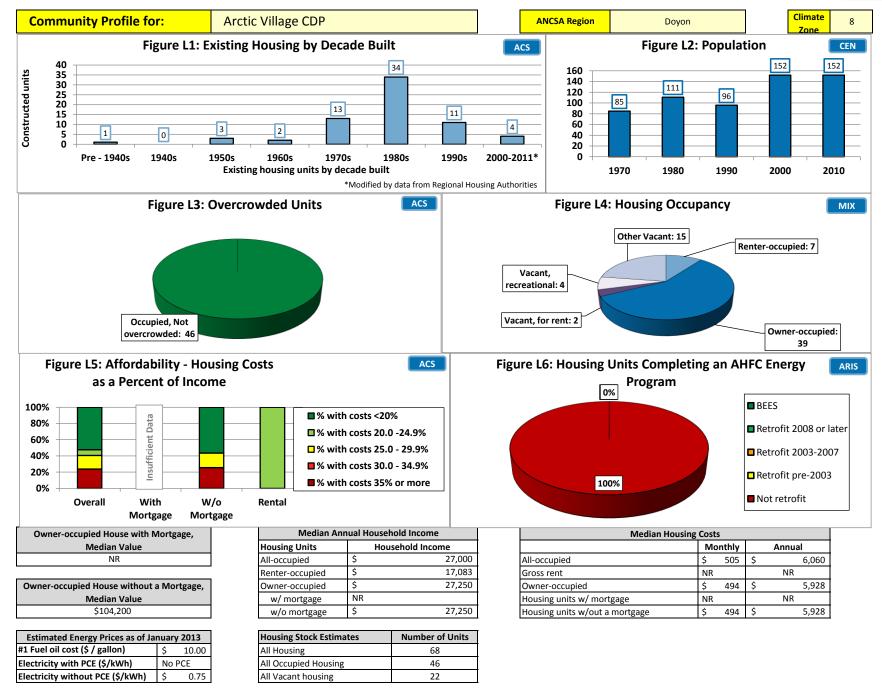
New construction



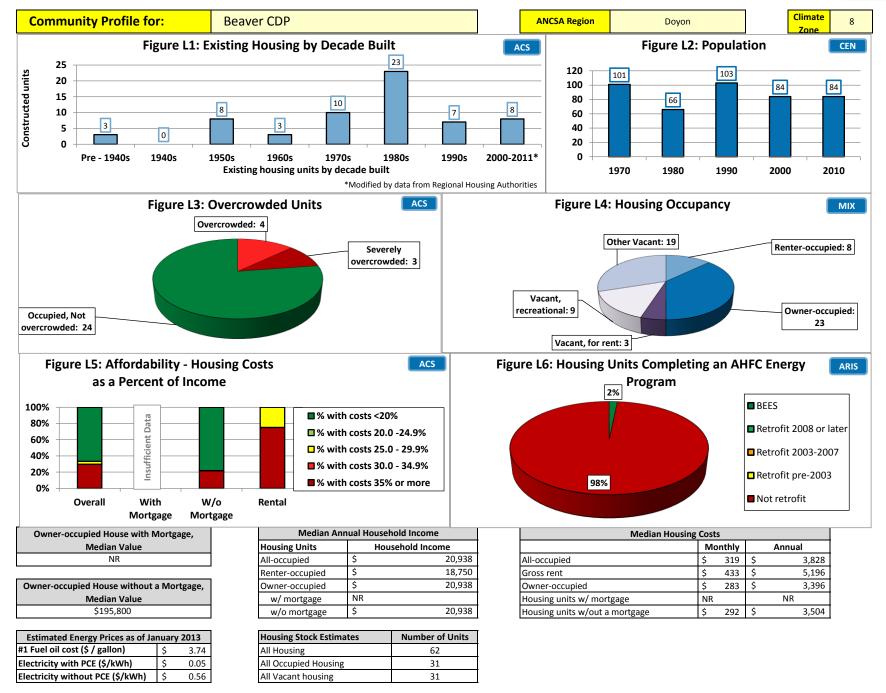




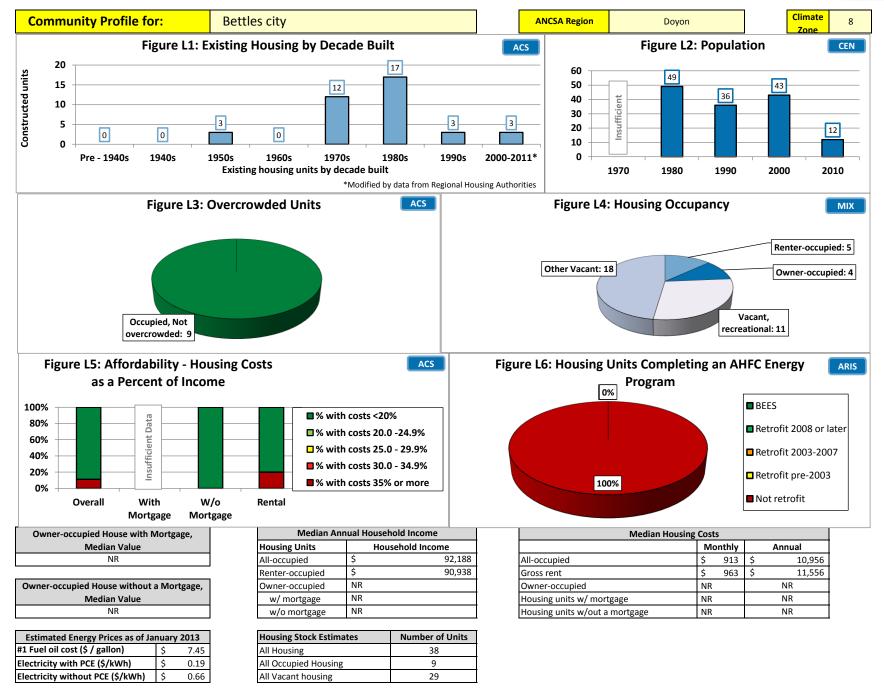




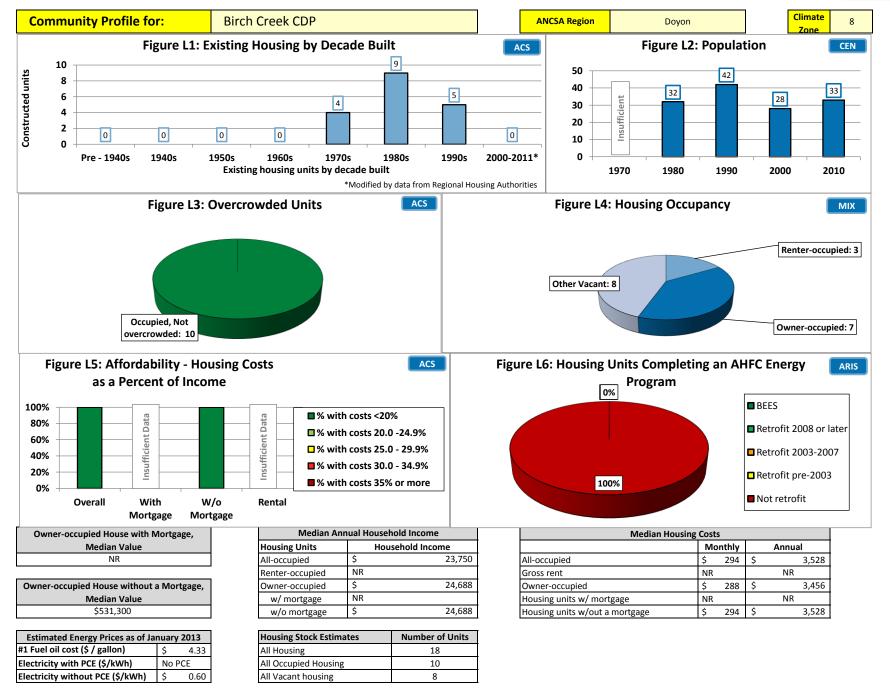




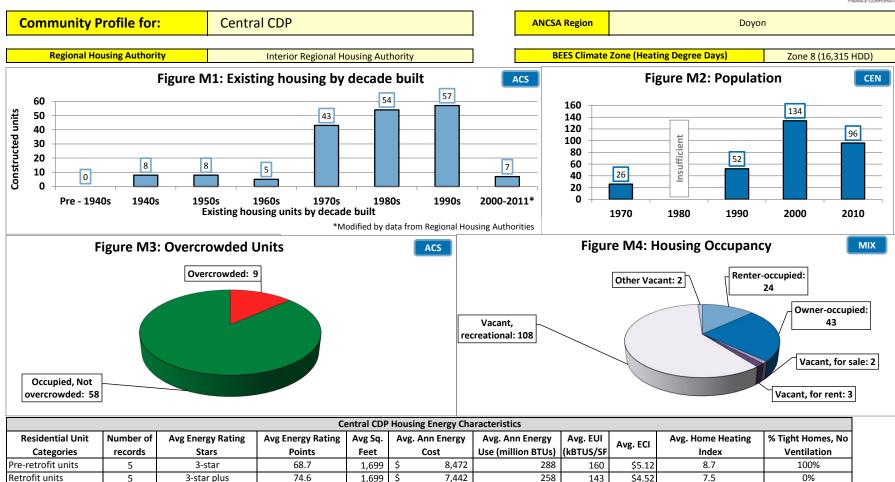












				Cei	ntral CDP Housing En	velope Characteristi	cs				
Residential Unit	Number of	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window
Categories	Records	7101100	Coming it		R	R			200. 0	Door U	U
Pre-retrofit units	5	5.8	28	13	NR	NR	NR	NR	0.26	NR	0.51
Retrofit units	5	5.0	31	14	NR	NR	NR	NR	0.26	NR	0.51
New construction	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	_	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	•								•	·	
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22
BEES 2012	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22

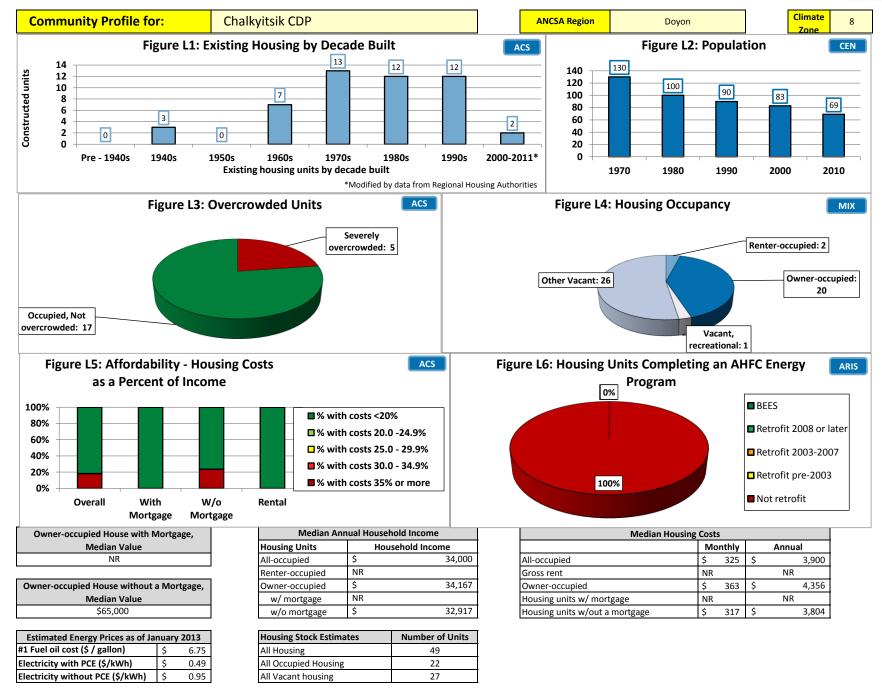
0

New construction

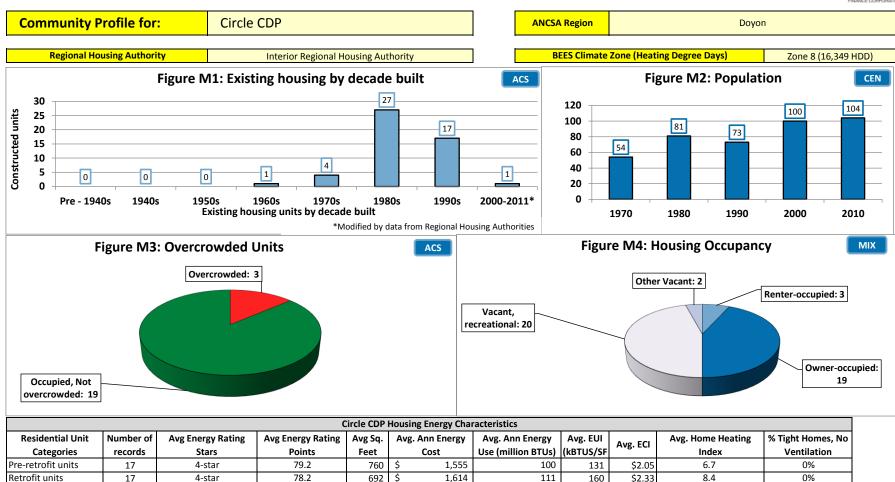












				Ci	rcle CDP Housing En	velope Characteristic	s				
Residential Unit	Number of	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window
Categories Pre-retrofit units	Records 17	10.5	NR	NR	NR	NR	NR	NR	NR	Door U NR	NR
Retrofit units	17	9.8	NR	NR	NR	NR	NR	NR	NR	NR	NR
New construction	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	•	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
							·				
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22
BEES 2012	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22

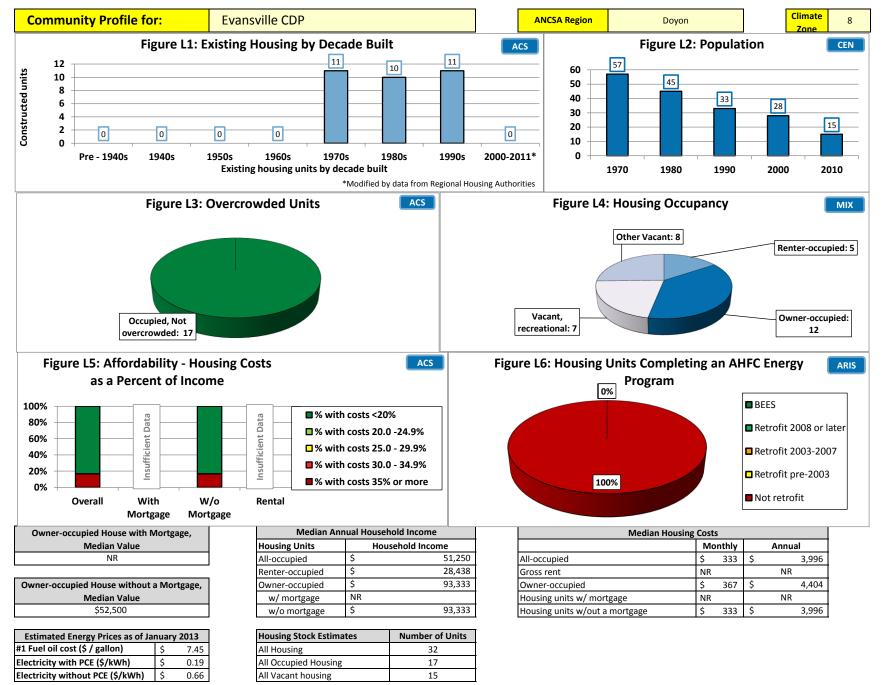
New construction

1

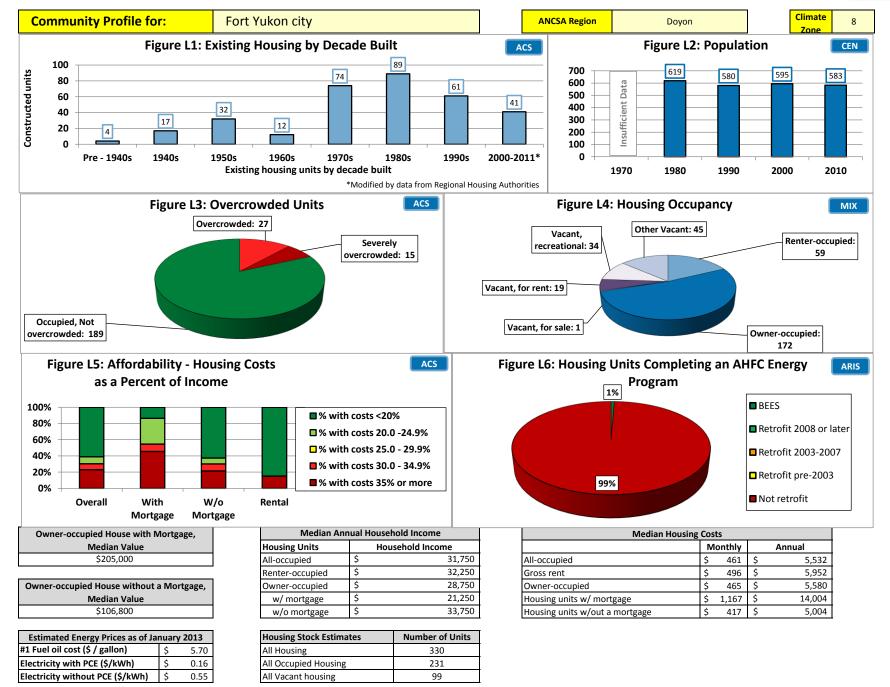




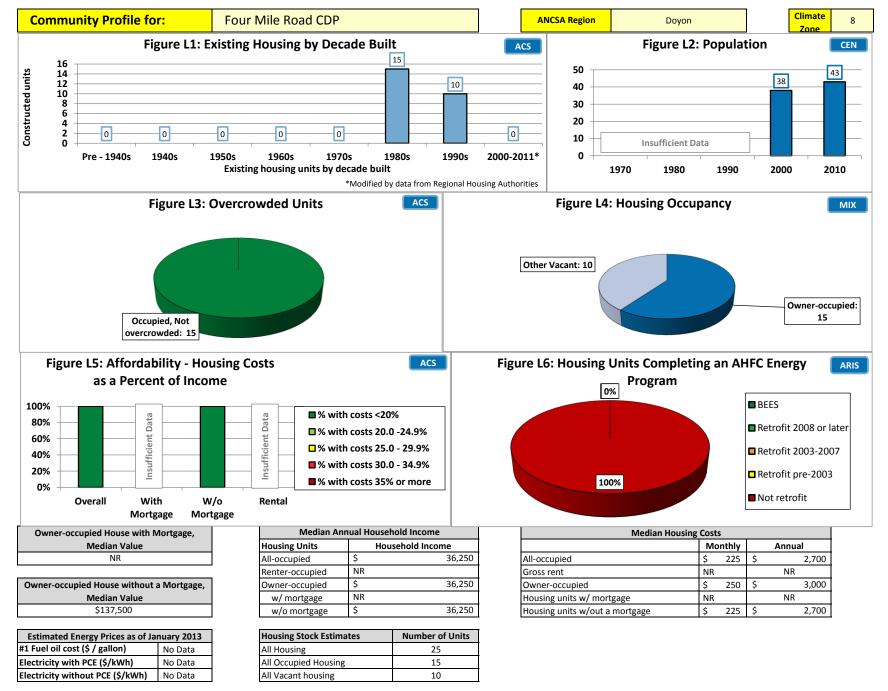




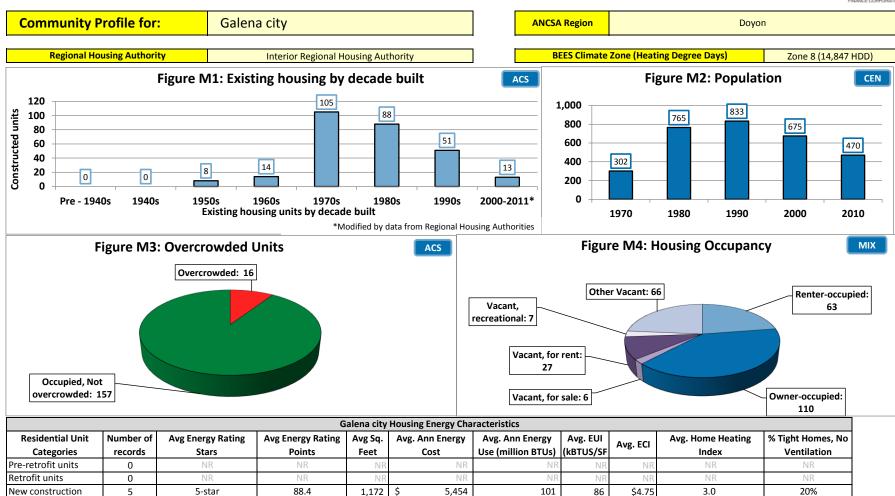










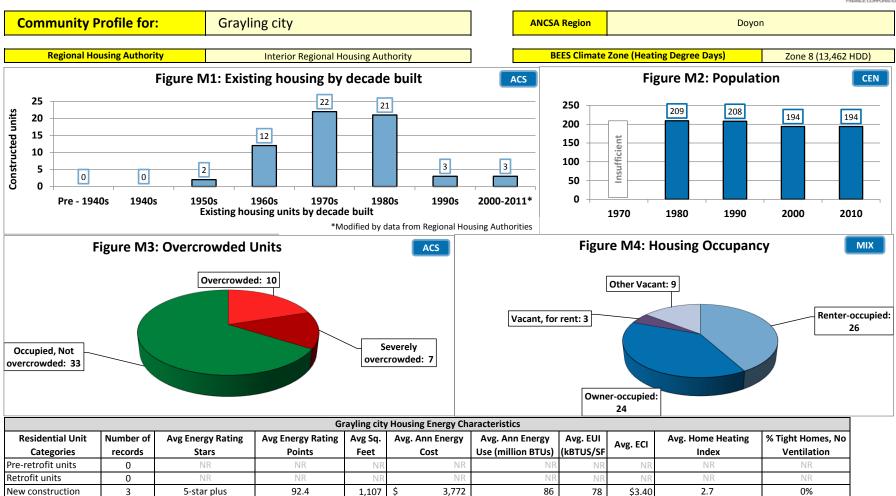


	Galena city Housing Envelope Characteristics											
Residential Unit	Number of	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window	
Categories	Records	ACITO	CCIIIIg IX	Above Grade Wall K	R	R			500.0	Door U	U	
Pre-retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
New construction	5	2.4	38	24	NR	40	NR	NR	0.20	NR	0.35	
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	'		•	•	•							
BEES 200	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22	
BEES 201	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22	







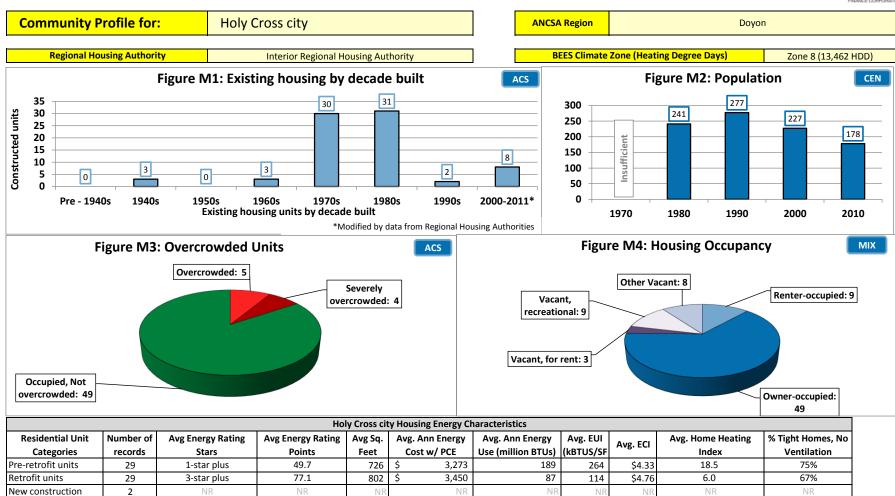


	Grayling city Housing Envelope Characteristics												
Residential Unit	Number of	ACH 50	Coiling P	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window		
Categories	Records	ACIT 30	Cennig IX	Above Grade Wall It	R	R	0 0	201011 014401100111	D001 0	Door U	U		
Pre-retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
Retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
New construction	3	4.2	40	34	NR	41	NR	NR	0.19	NR	0.21		
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
	-												
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22		
BEES 2012	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22		



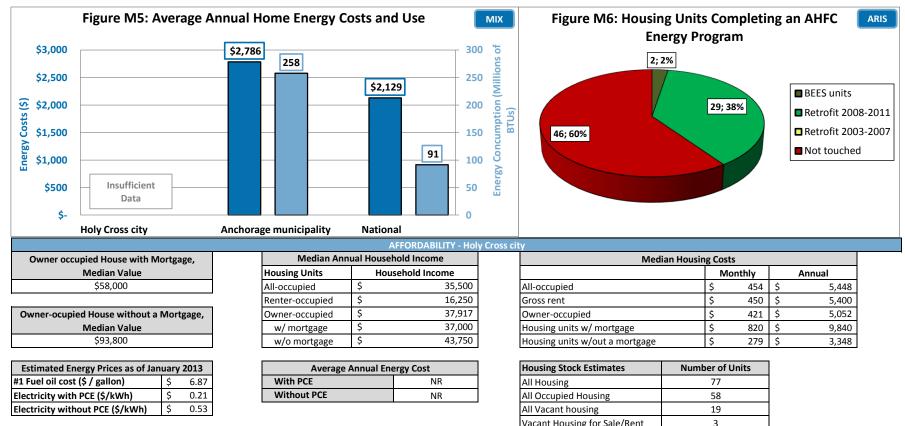


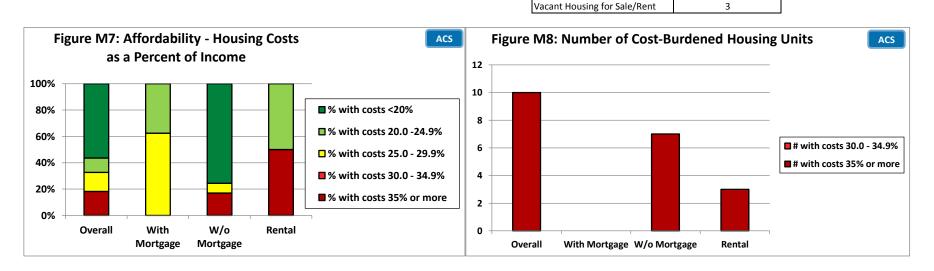




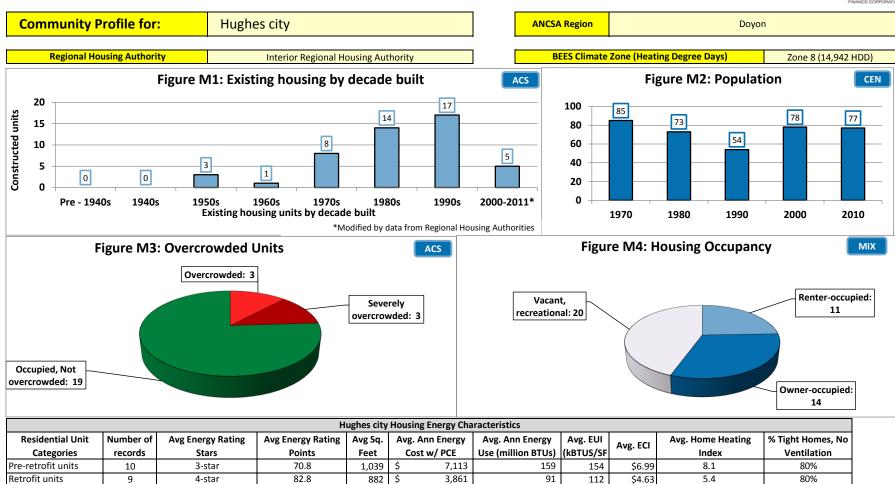
	Holy Cross city Housing Envelope Characteristics													
Residential Unit Categories	Number of Records	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall	Above Grade Floor R	On Grade Floor R	Below Grade Floor R	Door U	Garage Door U	Window U			
Pre-retrofit units	29	8.8	30	16	NR	30	NR	NR	0.19	NR	0.39			
Retrofit units	29	8.3	35	18	NR	33	NR	NR	0.22	NR	0.40			
New construction	2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
	•	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
	•													
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22			
BEES 2012	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22			











Hughes city Housing Envelope Characteristics												
Residential Unit	Number of	ACH 50	Coiling P	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	On Grade Hoor K	Delow Grade Floor K	Door O	Door U	U	
Pre-retrofit units	10	7.3	26	19	NR	34	NR	NR	0.30	NR	0.50	
Retrofit units	9	5.8	34	19	NR	32	NR	NR	0.19	NR	0.40	
New construction	5	3.0	39	24	NR	39	NR	NR	0.23	NR	0.21	
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	•		•	•	•					•		
BEES 200	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22	
BEES 201	.2	4.0	48	30	15	38	15	15	0.22	0.22	0.22	

89

92

\$6.84

2.9

0%

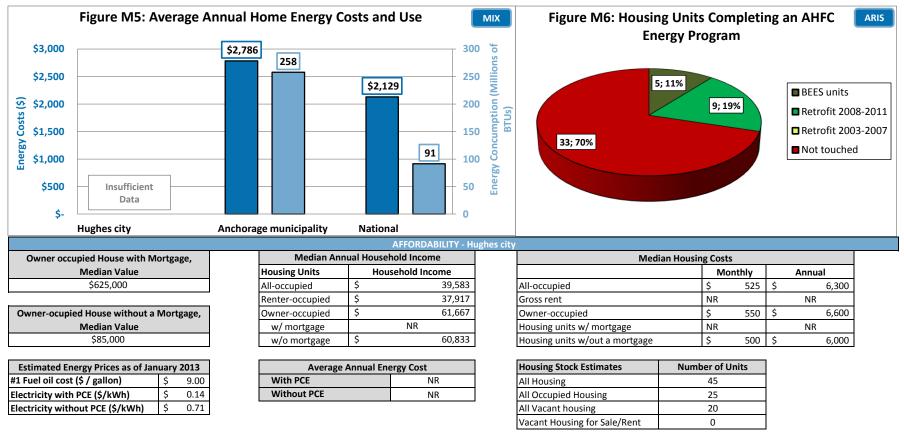
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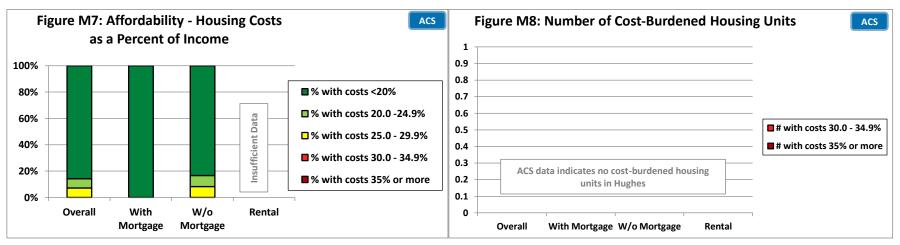
5-star

90.7

998









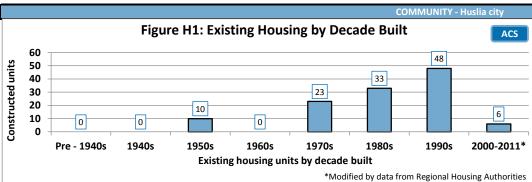
Community Profile for: Huslia city

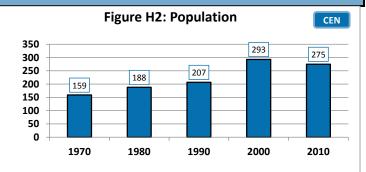
ANCSA Region Doyon

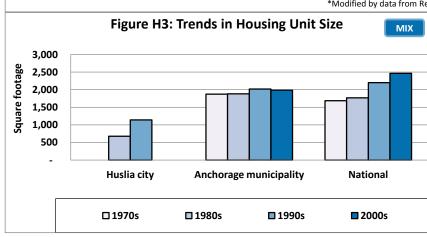
Regional Housing Authority:

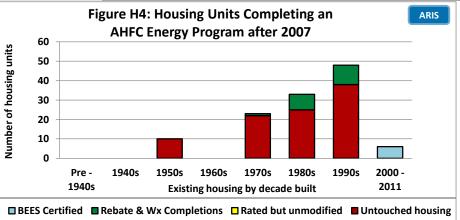
Interior Regional Housing Authority

BEES Climate Zone (Heating Degree Days) Zone 8 (14,942 HDD)









Houses Lacking Complete	Households				
Plumbing or Kitchen Facilities	Number	Percent			
Lack complete plumbing	21	24%			
Lack complete kitchen	16	18%			

Estimated Total A	Annual Community Space	Heating Fuel Use
Fuel Oil	36,616	(gallons)
Nat Gas	-	(ccf)
Electricity	22,137	(kWh)
Wood	113	(cords)
Propane	-	(gallons)
Coal	-	(tons)

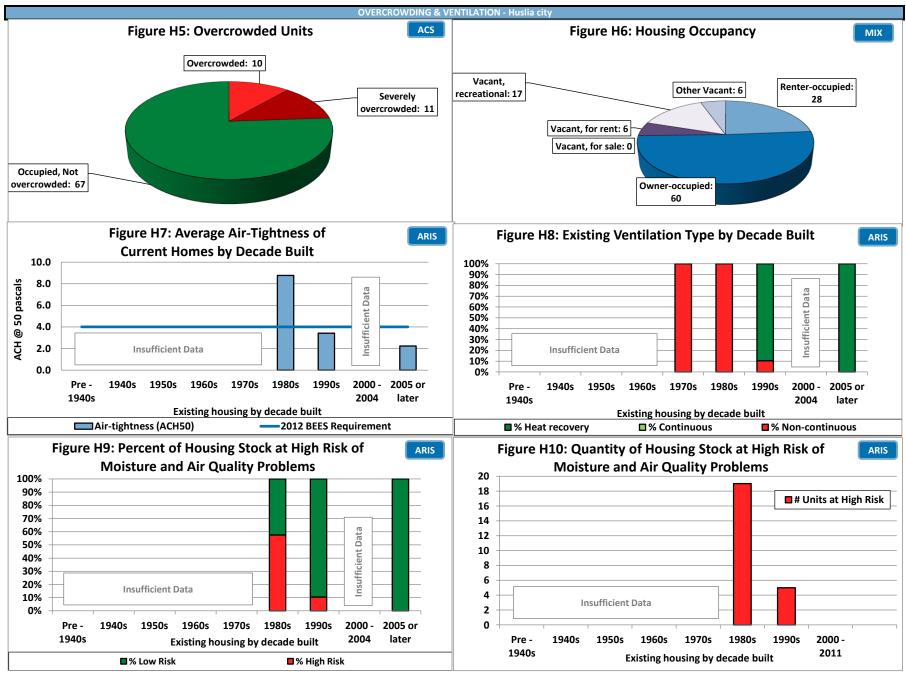
Avg Annual Energy Cost with PCE	\$5,790
Avg Annual Energy Cost without PCE	\$7,564

Estimated Energy Prices as	s of January 2013
#1 Fuel oil cost (\$ / gallon)	\$6.00
Electricity with PCE (\$/kWh)	\$0.21
Electricity cost without PCE (\$/kWh)	\$0.52

Weatherization Program Retrofits (funding increased in 2008)								
Date Range	Units							
2008-2011	19							
2003-2007	NR							
1990-2002	NR							

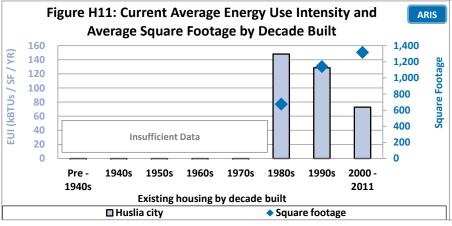
Housing Stock Estimates	Number of Units
All Housing	118
All Occupied Housing	88
All Vacant housing	30
Vacant Housing for Sale or Rent	6

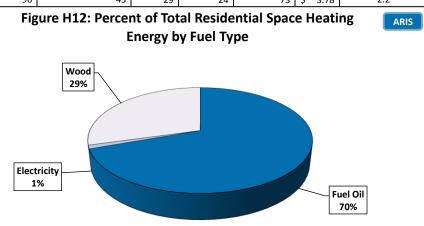






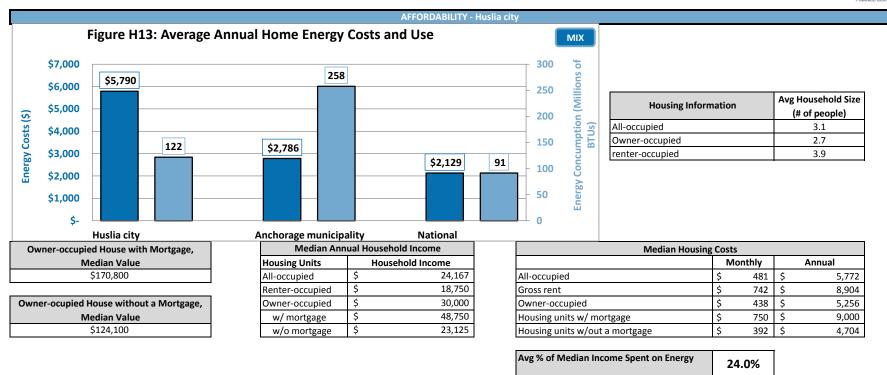
					ENE	RGY - Huslia city								
	Current Huslia city Housing Energy Characteristics By Decade Built													
Current Residential	Number of	Avg Energy	Avg Energy Rating	Avg Sq.	Avg. Annual	Avg. Annual	Avg Ann Energy by End Use (m		illion Btus)	Avg. EUI	Avg. ECI	Avg. Home Heating		
Units by Year Built	Records	Rating Stars	Points	Feet	Energy Cost (with PCE)	Energy Use (million BTUs)	Space Heating	DHW	Appliances	(kBTUS/SF)	(\$ / SF)	Index		
OVERALL	25	3-star plus	77.3	966	\$ 5,790	122	79	22	21	132	\$ 6.20	5.8		
Pre- 1940	0	NR	NR	NR	NR	NR	NR:	NR	NR	NR	NR	NR		
1940- 49	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
1950- 59	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
1960- 69	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
1970- 79	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
1980- 89	8	3-star	68.6	675	\$ 4,633	99	70	10	19	148	\$ 6.92	7.0		
1990- 99	10	4-star plus	85.5	1,141	\$ 6,770	146	88	36	22	129	\$ 5.94	5.3		
2000- 2004	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
2005 or later	6	5-star plus	92.6	1,318	\$ 4,980	96	43	29	24	73	\$ 3.78	2.2		

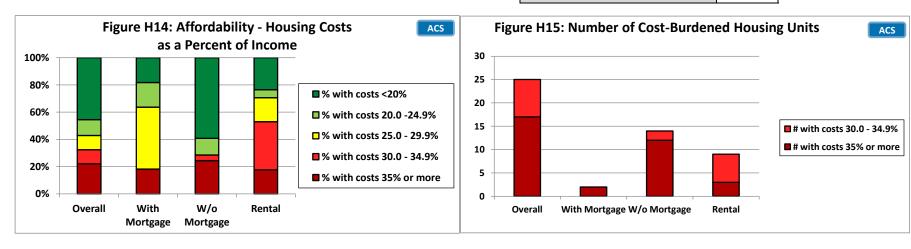




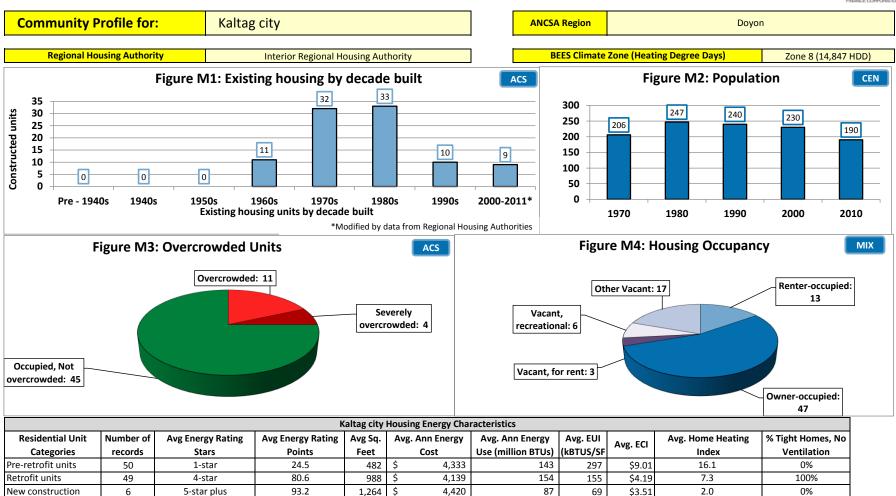
	Current Huslia city Housing Envelope Characteristics By Decade Built													
Current Residential Units by Year Built	Number of Records	ACH 50	Ceiling R	Above Grade Wall	Below Grade Wall R	Above Grade Floor R	On Grade Floor R	Below Grade Floor R	Door U	Garage Door U	Window U			
OVERALL	25	5.8	35	18	27	36	NR	4	0.31	NR	0.50			
Pre- 1940	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
1940- 49	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
1950- 59	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
1960- 69	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
1970- 79	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
1980- 89	8	8.8	30	13	NR	36	NR	NR	0.31	NR	0.57			
1990- 99	10	3.4	47	27	27	NR	NR	4	0.19	NR	0.43			
2000- 2004	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
2005 or later	6	2.2	40	31	NR	40	NR	NR	0.19	NR	0.21			
		•	•											
BEES 2009 - Climat	e Zone 8	7.0	38	30	15	38	15	15	0.22	0.22	0.22			
BEES 2012 - Climat	e Zone 8	4.0	48	30	15	38	15	15	0.22	0.22	0.22			









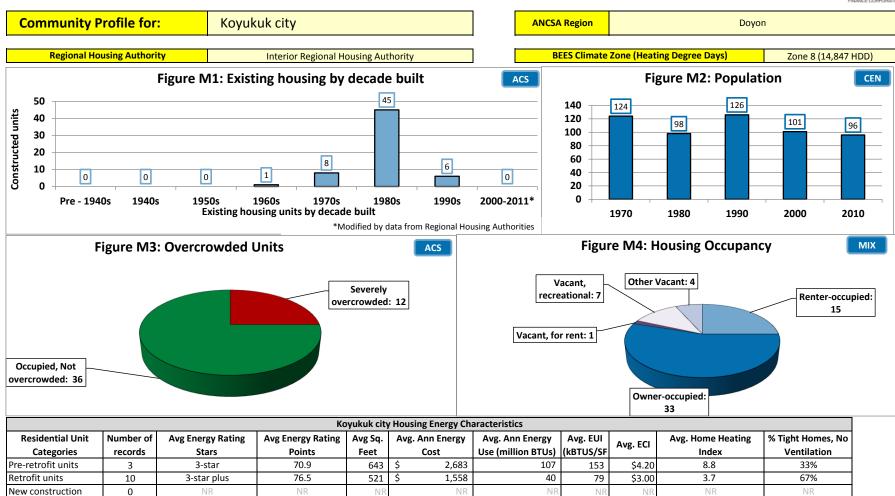


	Kaltag city Housing Envelope Characteristics											
Residential Unit Categories	Number of Records	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall R	Above Grade Floor R	On Grade Floor R	Below Grade Floor R	Door U	Garage Door U	Window U	
Pre-retrofit units	50	42.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Retrofit units	49	2.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	
New construction	6	2.4	51	28	NR	39	NR	NR	0.19	NR	0.32	
	•	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	·			•						•		
BEES 200	19	7.0	38	30	15	38	15	15	0.22	0.22	0.22	
BEES 2012		4.0	48	30	15	38	15	15	0.22	0.22	0.22	







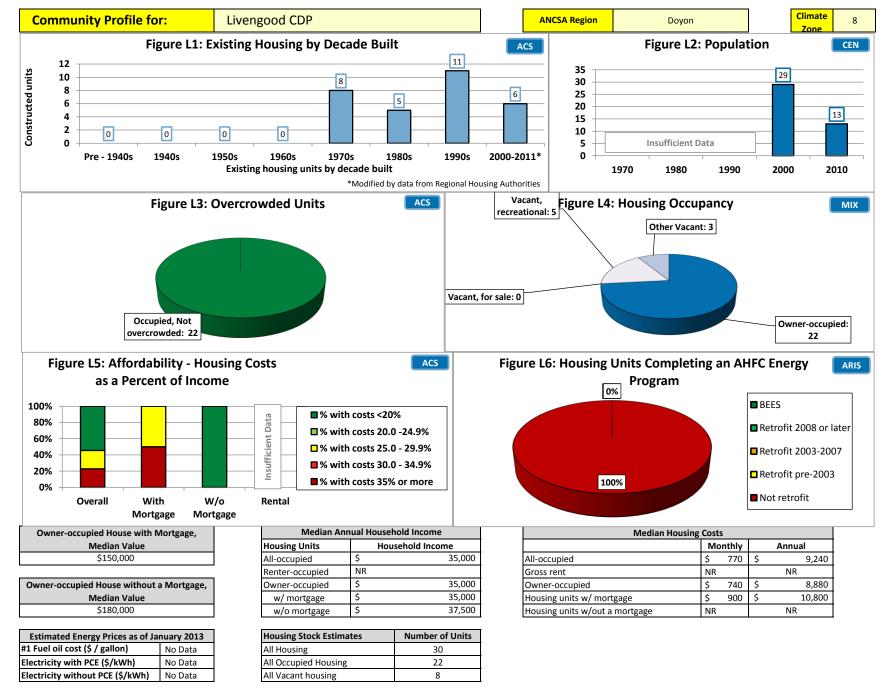


	Koyukuk city Housing Envelope Characteristics												
Residential Unit	Number of	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window		
Categories	Records	7(01130	cening it		R	R			500.0	Door U	U		
Pre-retrofit units	3	36.8	46	21	NR	37	NR	NR	0.23	NR	0.31		
Retrofit units	10	6.8	46	18	NR	39	NR	NR	0.19	NR	0.29		
New construction	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
	'-												
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22		
BEES 2012		4.0	48	30	15	38	15	15	0.22	0.22	0.22		











Community Profile for: Manley Hot Springs CDP **ANCSA Region** Doyon **Regional Housing Authority BEES Climate Zone (Heating Degree Days)** Interior Regional Housing Authority Zone 8 (14,593 HDD) Figure M1: Existing housing by decade built ACS Figure M2: Population CEN 40 35 30 25 20 15 34 120 Constructed units 96 89 100 72 19 80 61 12 60 10 7 7 34 10 40 0 1 20 0 Pre - 1940s 1950s 1980s 1940s 1960s 1970s 1990s 2000-2011* Existing housing units by decade built 1970 1980 1990 2000 2010 *Modified by data from Regional Housing Authorities Figure M4: Housing Occupancy Figure M3: Overcrowded Units MIX ACS Renter-occupied: Overcrowded: -Severely Owner-occupied: Other Vacant: 24 overcrowded: 4 Vacant, for sale: 1 Occupied, Not Vacant, for rent: 4 Vacant, overcrowded: 16 recreational: 41 **Manley Hot Springs CDP Housing Energy Characteristics** Avg Energy Rating **Residential Unit** Number of **Avg Energy Rating** Avg Sq. Avg. Ann Energy Avg. Ann Energy Avg. EUI Avg. Home Heating % Tight Homes, No Avg. ECI Categories records Stars **Points** Feet Cost Use (million BTUs) (kBTUS/SF Index Ventilation Pre-retrofit units 2-star 59.4 6,533 170 13.9 0% 732 242 \$9.96 4 Retrofit units 4-star 80.1 1,025 \$ 6,484 125 127 \$7.09 7.1 89% 9

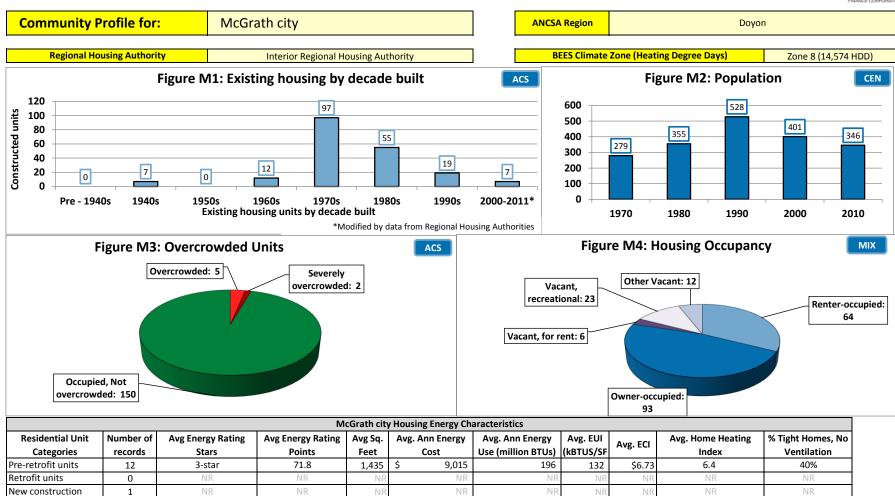
	Manley Hot Springs CDP Housing Envelope Characteristics												
Residential Unit	Number of	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall	Above Grade Floor	de Floor On Grade Floor R	Below Grade Floor R	Door U	Garage	Window		
Categories	Records	7101130	Cennig IX		R	R		Deleti Cidae i icoi ii	200.0	Door U	U		
Pre-retrofit units	4	15.0	35	13	NR	31	NR	NR	0.30	NR	0.43		
Retrofit units	9	5.0	36	17	NR	28	NR	NR	0.25	NR	0.39		
New construction	2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
	•												
BEES 200	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22		
BEES 2012		4.0	48	30	15	38	15	15	0.22	0.22	0.22		

2







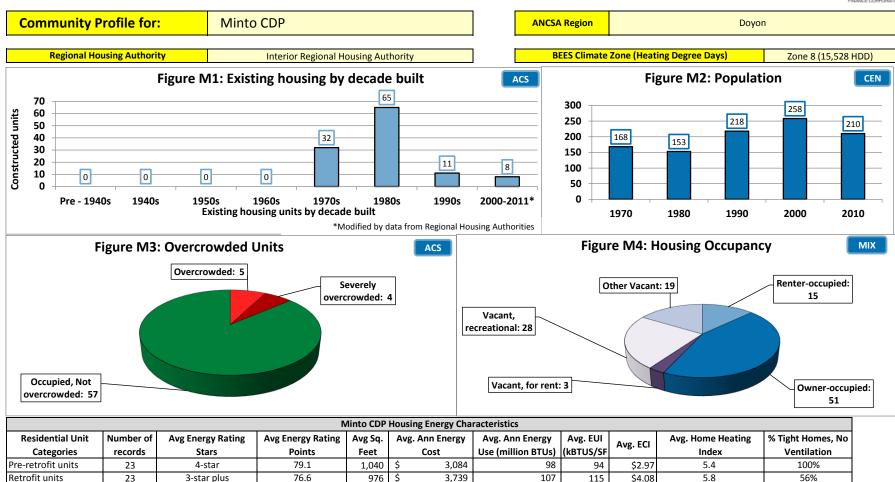


	McGrath city Housing Envelope Characteristics											
Residential Unit	Number of	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window	
Categories	Records				R	R				Door U	U	
Pre-retrofit units	12	7.6	25	15	NR	26	NR	NR	0.25	NR	0.46	
Retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
New construction	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	•											
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22	
BEES 2012		4.0	48	30	15	38	15	15	0.22	0.22	0.22	









	Minto CDP Housing Envelope Characteristics											
Residential Unit Categories	Number of Records	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 Door U	Window	
Pre-retrofit units	23	8.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Retrofit units	23	8.7	49	11	NR	42	NR	NR	0.21	NR	0.35	
New construction	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	•											
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22	
BEES 2012		4.0	48	30	15	38	15	15	0.22	0.22	0.22	







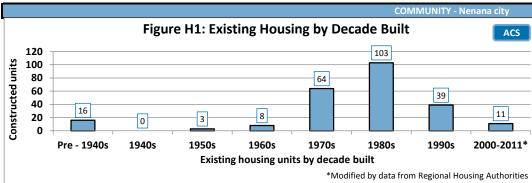
Community Profile for: Nenana city

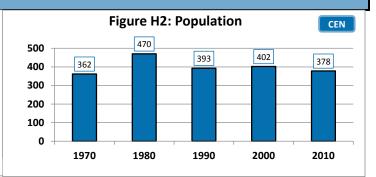
ANCSA Region Doyon

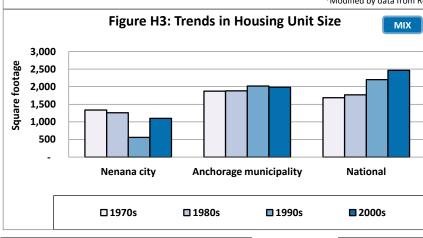
Regional Housing Authority:

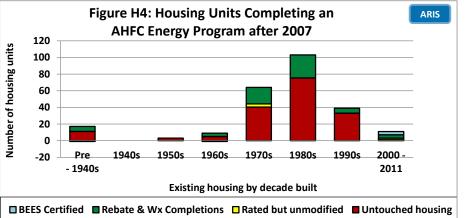
Interior Regional Housing Authority

BEES Climate Zone (Heating Degree Days) Zone 8 (14,539 HDD)









Houses Lacking Complete	Households				
Plumbing or Kitchen Facilities	Number	Percent			
Lack complete plumbing	15	9%			
Lack complete kitchen	2	1%			

Estimated Total A	nnual Community Space	Heating Fuel Use
Fuel Oil	113,559	(gallons)
Nat Gas	-	(ccf)
Electricity	212,191	(kWh)
Wood	659	(cords)
Propane	-	(gallons)
Coal	-	(tons)

Avg Annual Energy Cost with PCE	NO PCE
Avg Annual Energy Cost without PCE	\$5,734

Estimated Energy Prices a	s of January 2013
#1 Fuel oil cost (\$ / gallon)	\$4.28
Electricity with PCE (\$/kWh)	No PCE
Electricity cost without PCE (\$/kWh)	\$0.20

Weatherization Program Retrofits									
(funding increased in 2008)									
Date Range	Units								
2008-2011	53								
2003-2007	15								
1990-2002	62								

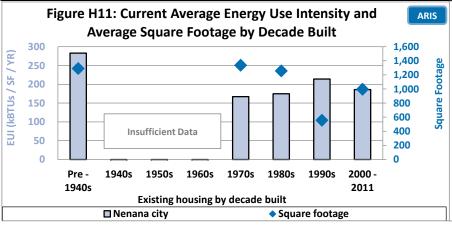
Housing Stock Estimates	Number of Units
All Housing	244
All Occupied Housing	175
All Vacant housing	69
Vacant Housing for Sale or Rent	9

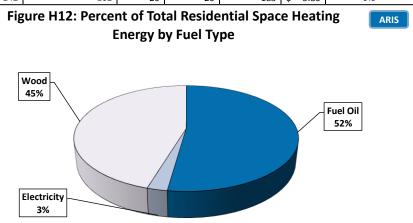






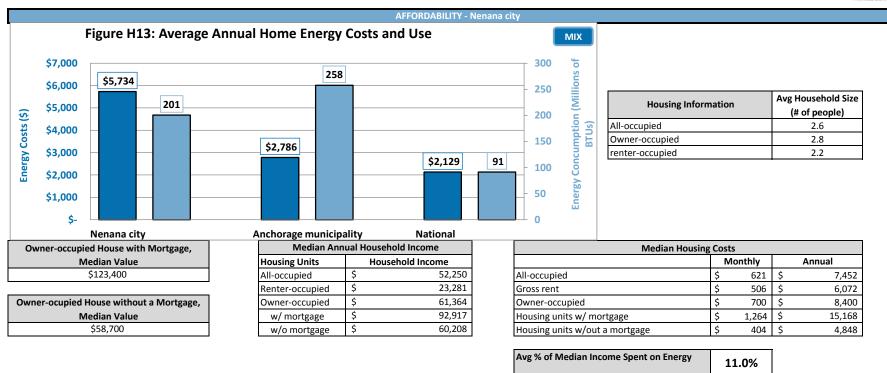
					ENEI	RGY - Nenana city								
	Current Nenana city Housing Energy Characteristics By Decade Built													
Current Residential	Number of	Avg Energy	Avg Energy Rating	ating Avg Sq. Avg. Annual Avg. Annual Avg Ann Energy by End Use (million Btus) Avg. EUI		Avg. ECI	Avg. Home Heating							
Units by Year Built	Records	Rating Stars	Points	Feet	Energy Cost	Energy Use (million BTUs)	Space Heating	DHW	Appliances	(kBTUS/SF)	(\$ / SF)	Index		
OVERALL	89	2-star	59.4	1,152	\$ 5,734	201	158	14	29	186	\$ 5.62	10.5		
Pre- 1940	7	2-star	52.1	1,291	\$ 7,931	392	350	14	28	283	\$ 5.85	17.4		
1940- 49	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
1950- 59	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
1960- 69	5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
1970- 79	28	2-star plus	64.6	1,337	\$ 7,461	209	167	14	28	167	\$ 6.16	9.3		
1980- 89	32	2-star plus	65.5	1,257	\$ 5,624	196	151	17	27	175	\$ 4.98	9.7		
1990- 99	6	1-star	33.5	556	\$ 2,458	135	106	0	29	214	\$ 5.59	12.3		
2000- 2004	8	3-star	71.4	1,100	\$ 5,132	185	137	20	28	186	\$ 5.35	10.2		
2005 or later	4	3-star plus	76.3	788	NR	142	102	20	20	185	\$ 5.80	9.5		

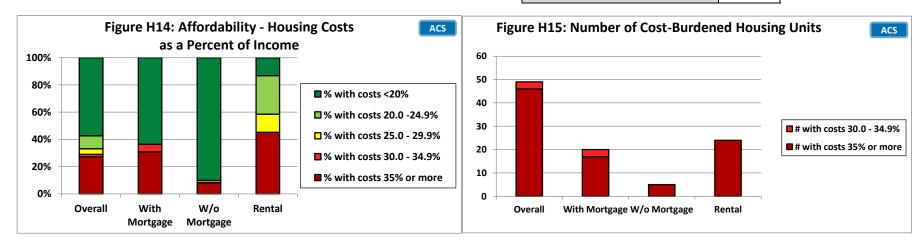




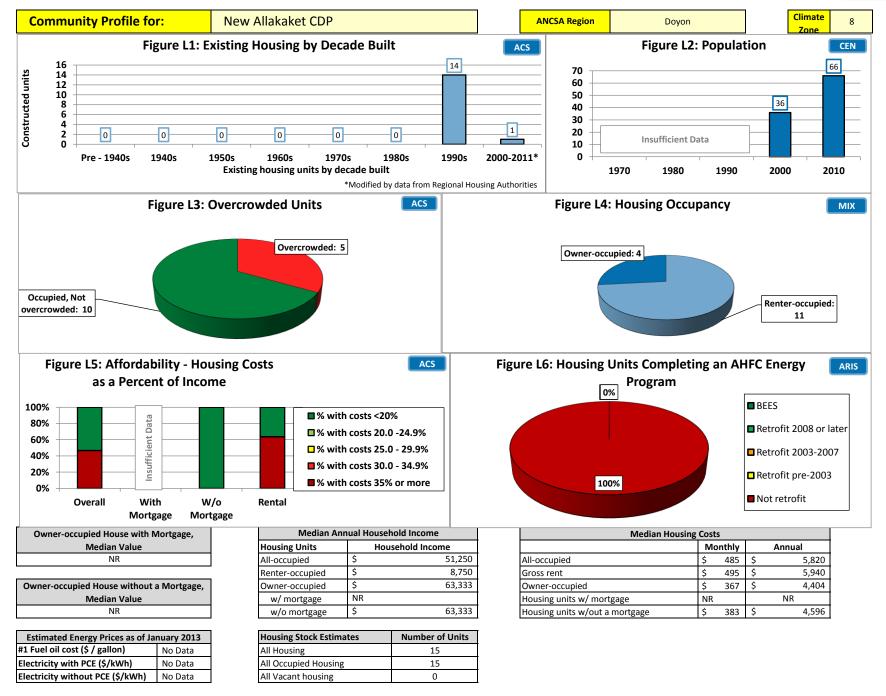
				Current Nena	na city Housing Enve	elope Characteristics	By Decade Built				
Current Residential Units by Year Built	Number of Records	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall R	Above Grade Floor R	On Grade Floor R	Below Grade Floor R	Door U	Garage Door U	Window U
OVERALL	89	11.3	28	14	6	21	3	3	0.32	0.20	0.49
Pre- 1940	7	15.5	29	9	NR	NR	NR	NR	0.23	NR	0.52
1940- 49	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1950- 59	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1960- 69	5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1970- 79	28	8.1	30	13	6	NR	3	3	0.29	0.20	0.53
1980- 89	32	8.4	27	17	7	23	3	3	0.31	NR	0.46
1990- 99	6	10.2	23	11	NR	13	NR	NR	0.32	NR	0.48
2000- 2004	8	5.3	46	15	NR	NR	3	NR	0.29	NR	0.41
2005 or later	4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
BEES 2009 - Climat	te Zone 8	7.0	38	30	15	38	15	15	0.22	0.22	0.22
BEES 2012 - Climat	te Zone 8	4.0	48	30	15	38	15	15	0.22	0.22	0.22



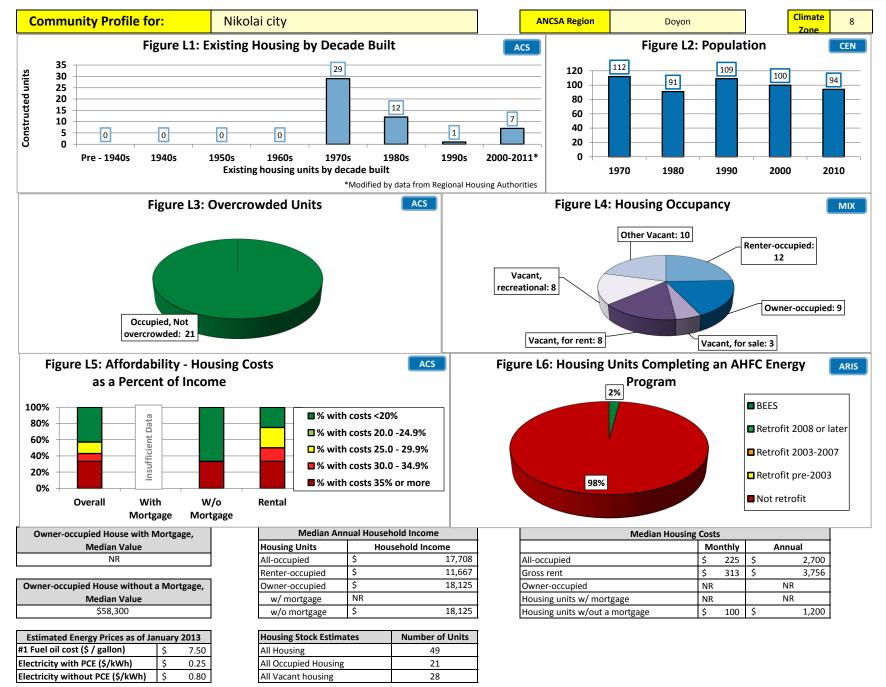




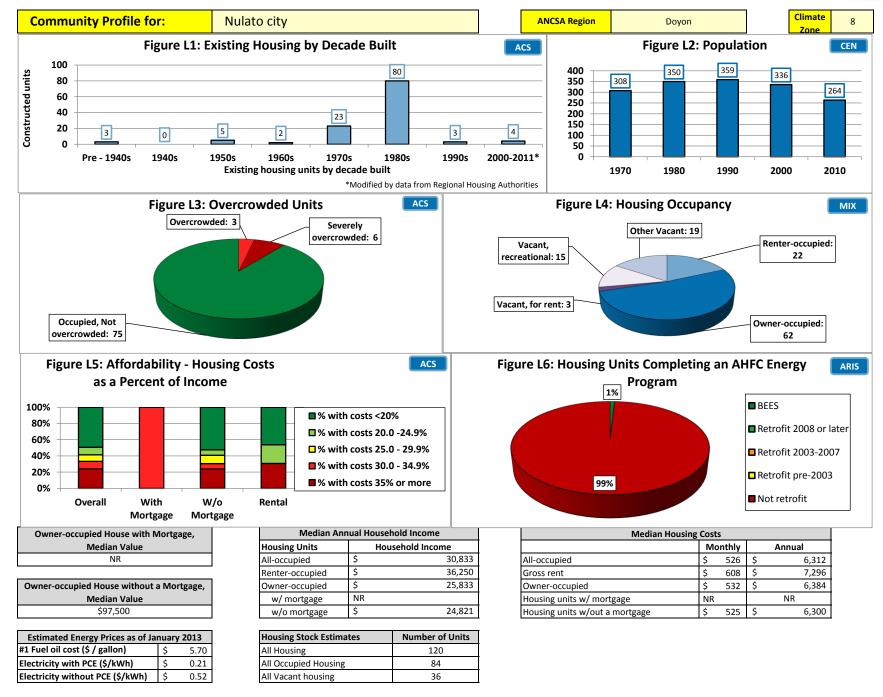




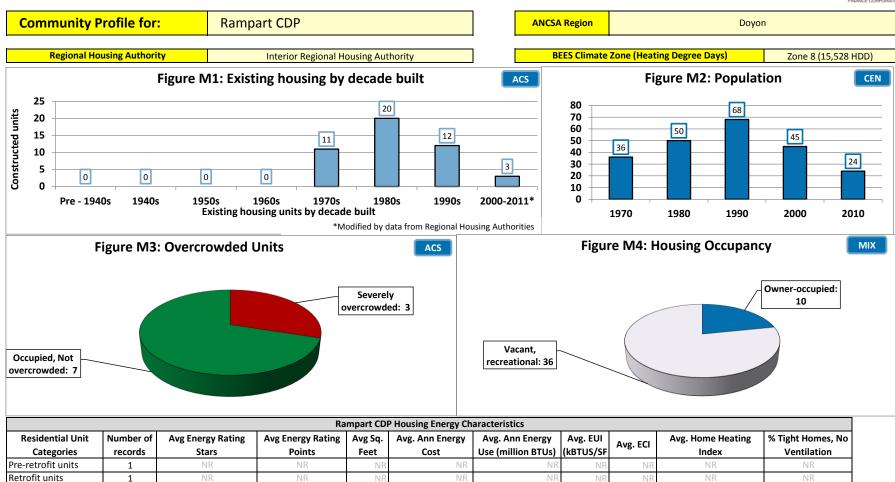










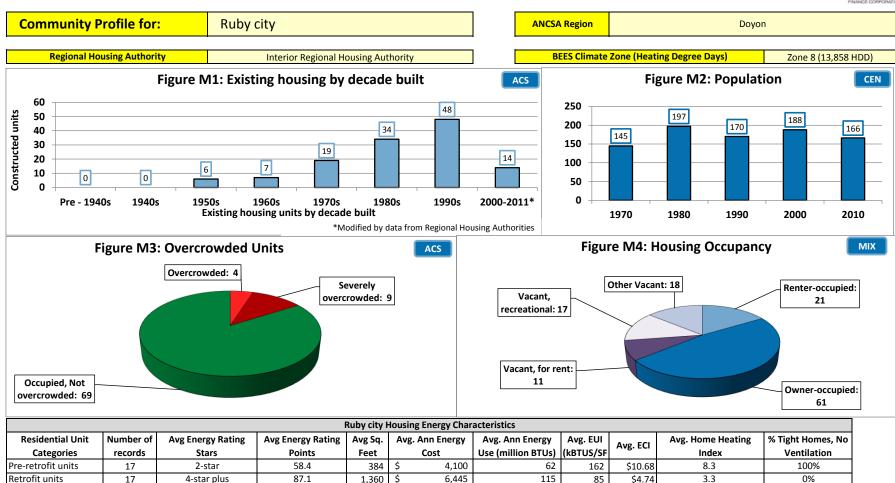


				Ran	npart CDP Housing E	nvelope Characterist	ics				
Residential Unit	Number of	ACH 50	Cailing B	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	
Categories	Records	ACH 50	Cenning K	Above Grade Wall K	R	R		Delow Grade Floor R	Door 0	Door U	
re-retrofit units	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Retrofit units	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New construction	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	•										
BEES 200)9	7.0	38	30	15	38	15	15	0.22	0.22	0.22
BEES 201	.2	4.0	48	30	15	38	15	15	0.22	0.22	0.22









				R	uby city Housing Env	elope Characteristic	s				
Residential Unit	it Number of		Cailing B	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 50	Cennig K	ADDIC GLAGE WAITK	R	R	On Grade Hoor It	Delow Grade Floor It	D001 0	Door U	U
Pre-retrofit units	17	4.5	NR	NR	NR	NR	NR	NR	NR	NR	NR
Retrofit units	17	5.3	NR	NR	NR	NR	NR	NR	NR	NR	NR
New construction	5	2.4	53	31	NR	36	NR	NR	0.19	NR	0.32
	•	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	•				•					•	
BEES 200	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22
BEES 201	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22

91

70

\$4.64

2.1

0%

New construction

5

5-star plus

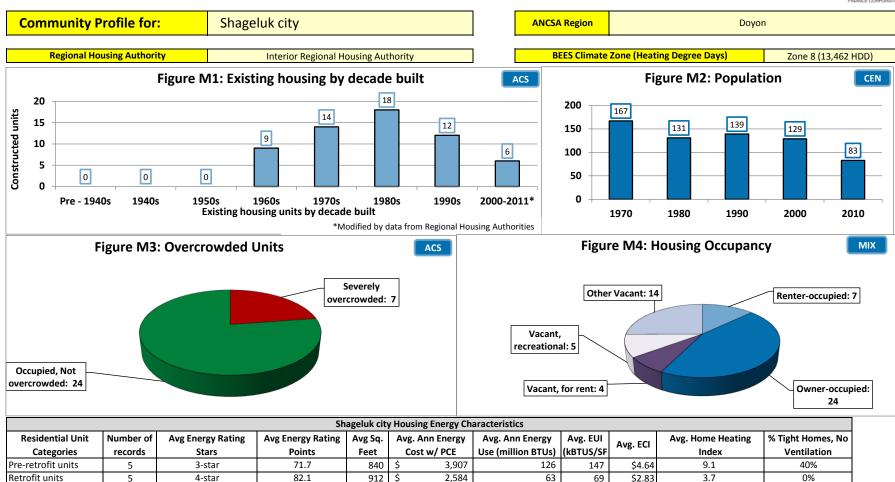
92.4

1,312









	Shageluk city Housing Envelope Characteristics														
Residential Unit	Number of	ACH 50	Cailing B	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 50 Cellil	Cennig IX	Above Grade Wall K	R	R			D001 0	Door U	U				
Pre-retrofit units	5	9.2	40	12	NR	35	NR	NR	0.23	NR	0.39				
Retrofit units	5	5.1	NR	NR	NR	NR	NR	NR	NR	NR	NR				
New construction	6	2.8	40	27	NR	33	NR	NR	0.19	NR	0.35				
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR				
			•	•	•					•					
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22				
BEES 2012	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22				

71

67

\$2.48

3.0

0%

New construction

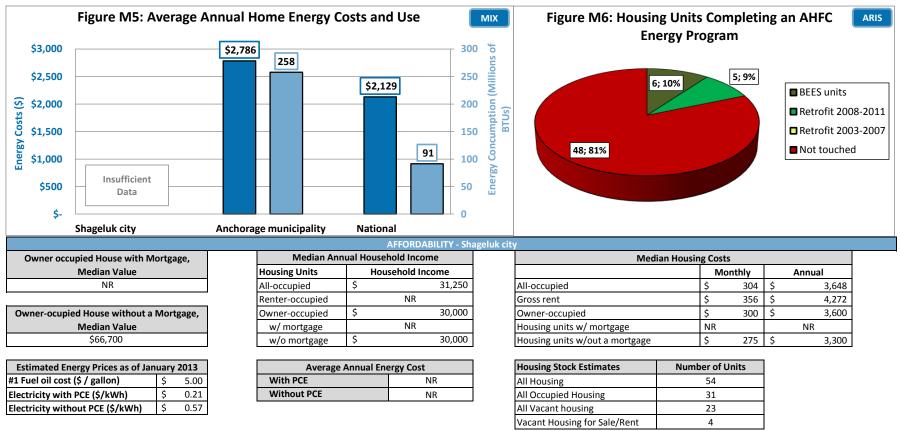
5-star

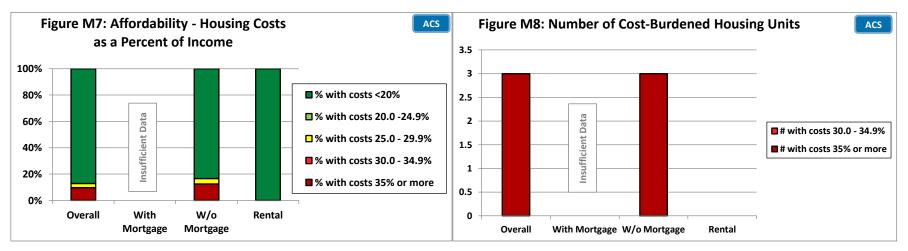
91.2

1,073

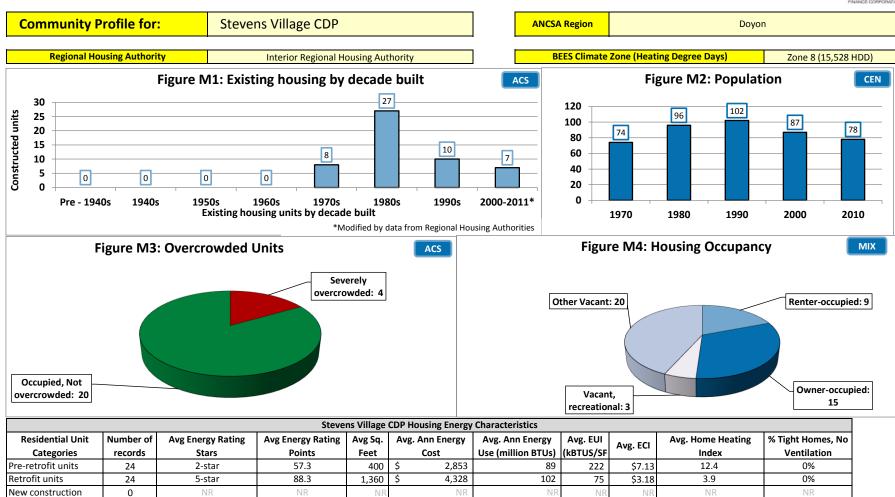
6









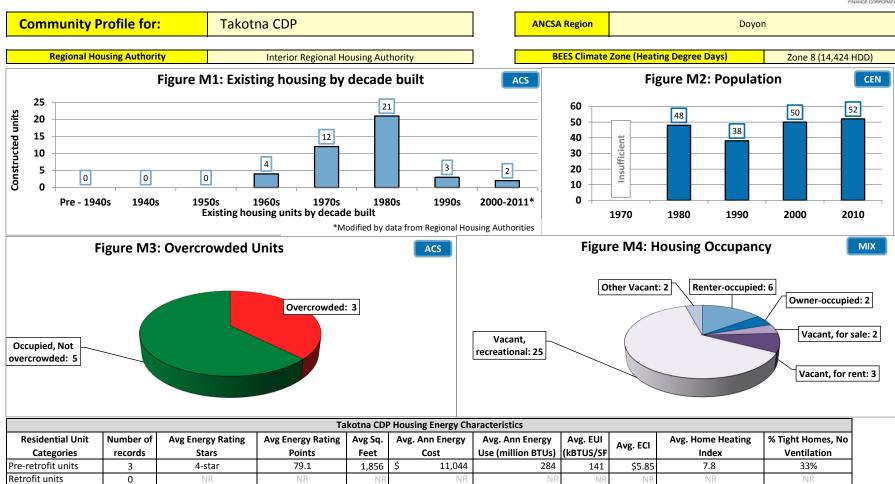


	Stevens Village CDP Housing Envelope Characteristics														
Residential Unit	Number of	ACH 50	Coiling P	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window				
Categories	Records	ACH 30	Ceiling K	Above Grade Wall K	R	R Oli Gra	On Grade Floor R	Below Grade Floor IX	D001 0	Door U	U				
Pre-retrofit units	24	21.5	NR	NR	NR	NR	NR	NR	NR	NR	NR				
Retrofit units	24	5.7	NR	NR	NR	NR	NR	NR	NR	NR	NR				
New construction	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR				
	•	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR				
			•	•	•			<u>. </u>		•	•				
BEES 200	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22				
BEES 201	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22				





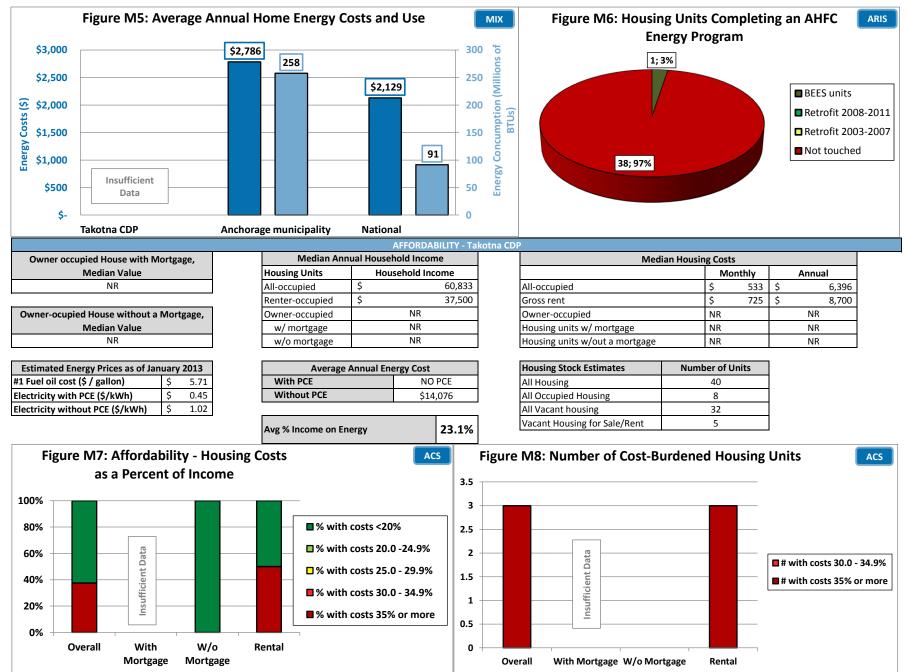




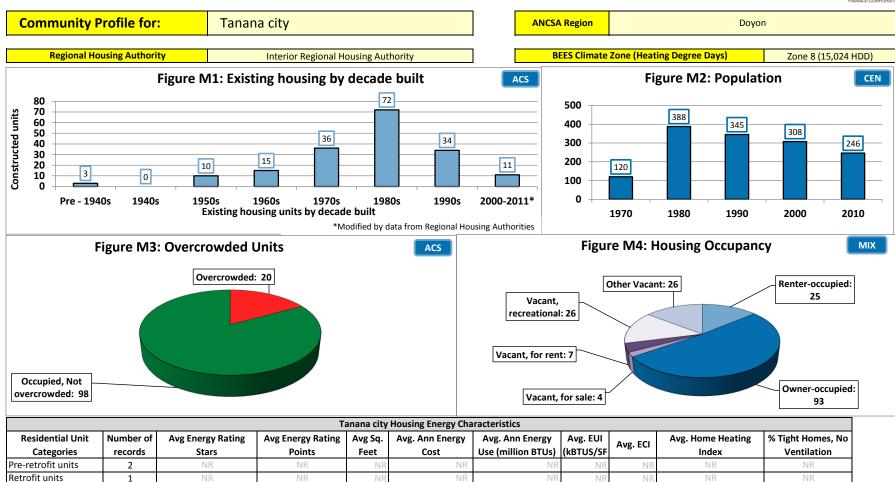
	Takotna CDP Housing Envelope Characteristics														
Residential Unit	Number of	ACH 50	Ceiling R	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window				
Categories	Records		CCIIIIg IX	The order of the order of the order of	R	R		201011 0144011001 11		Door U	U				
Pre-retrofit units	3	8.1	26	15	NR	NR	NR	NR	0.26	NR	0.40				
Retrofit units	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR				
New construction	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR				
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR				
			•		•					•	•				
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22				
BEES 2012	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22				

NR









				Tai	nana city Housing E	nvelope Characteristi	cs				
Residential Unit	l Unit Number of	ACH 50	Coiling P	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window
Categories	Records	ACIT 30	Cennig IX	Above Grade Wall K	R	R	On Grade Hoor K		D001 0	Door U	U
Pre-retrofit units	2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Retrofit units	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
New construction	3	1.0	NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	•										
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22
BEES 2012	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22

111

75

\$4.25

2.7

0%

3

5-star plus

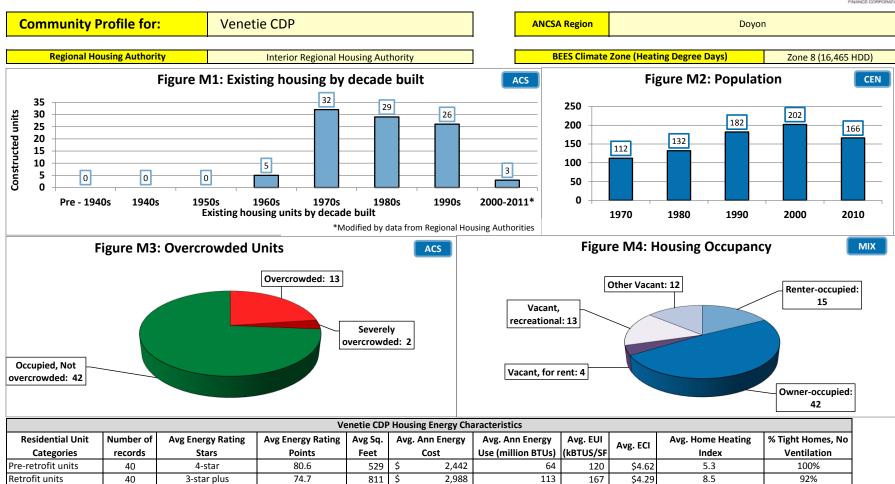
93.0

1,050









				Vei	netie CDP Housing E	nvelope Characterist	ics				
Residential Unit	Number of	ACH 50	Cailing B	Above Grade Wall R	Below Grade Wall	Above Grade Floor	On Grade Floor R	Below Grade Floor R	Door U	Garage	Window
Categories	Records	ACITO	Cennig it	ADDIC GLAGE WAITK	" R R	R	On Grade Hoor K	Delow Grade Floor II	500.0	Door U	U
Pre-retrofit units	40	7.1	NR	NR	NR	NR	NR	NR	NR	NR	NR
Retrofit units	40	6.8	34	14	NR	35	NR	NR	0.22	NR	0.36
New construction	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	•										
BEES 2009	9	7.0	38	30	15	38	15	15	0.22	0.22	0.22
BEES 2012	2	4.0	48	30	15	38	15	15	0.22	0.22	0.22



