# The Affordability of Residential Water and Sewer Rates across Rural Alaska in 2022



Village Safe Water Program Division of Water Alaska Department of Environmental Conservation

## The Affordability Framework

**Introduction.** Setting affordable rates is key to ensuring long-term access of households to water and sewer services. Households that cannot afford utility rates will be unable to pay their bills. In response, the utility may disconnect service to accounts that have become uncollectible. Consequently, unaffordable rates harm both customers and utilities: households lose access to water and sewer services, while utilities must try to cover their costs with a shrinking revenue base.

**What is Affordability?** Affordable rates for water and sewer utilities are broadly defined as rates that residential users *are able to* pay. The Affordability Framework report defines affordable residential water and sewer rates as rates lower-income households within a community can pay them without giving up other essential goods and services, such as rent, food, fuel and electricity. If rates are affordable for lower-income households, it follows that they are also affordable for the higher-income households within the same community.

**The Affordability Framework.** The Alaska Affordability Framework was developed by the Alaska Department of Environmental Conservation Village Safe Water Program (VSW) to produce affordability assessments at the community level. The framework is specifically designed for rural Alaska; it is easy to use, interpret and update.

			Residential Indicator	
		Low Burden $> 0\%$ to $\le 2\%$	Medium Burden $> 2\%$ to $\le 5\%$	High Burden > 5%
ndicator	Strong $> 2.5$ to $\leq 3.0$	Low Burden	Low Burden	Medium Burden
Financial Capability Indicator	Mid-Range $> 1.5$ to $\leq 2.5$	Low Burden	Medium Burden	High Burden
Financia	Weak $\geq$ 1.0 to $\leq$ 1.5	Medium Burden	High Burden	High Burden

## The Affordability Framework

The Affordability Framework has two parts: The Residential Indicator (RI) and the Financial Capability Indicator (FCI). The RI produces a score based on the average annual water and sewer utility bills as a percentage of household income at varying income levels within a community. The FCI is the weighted score of socio-economic indicators for the community published by the American Community Survey. Affordability is determined by finding the intersection of the RI and FCI on the matrix. The result is a determination that current rates are either a high, medium or low financial burden for the community of interest.

**The 2022 Affordability Assessments.** The Affordability Framework was used to assess the affordability of the known residential rates of water and sewer utilities in 2022. The framework was also used to estimate the maximum affordable rate (which is the highest medium burden rate) and the highest low burden rate which utilities can charge. This report contains the 2022 affordability assessments and the data used for communities that are eligible for VSW funding. To learn more about the Affordability Framework, please go to <u>Alaska.gov/go/To4H</u>.

## Metadata for Communities with Known Residential Rates

Header	Explanation	Source
Monthly Residential Rate	Monthly rate for water and sewer services, unless indicated otherwise	RUBA, ARUC, community websites
Affordability Assessment	How affordable are the current residential rates	Framework
Maximum Affordable Residential Rate	A higher rate will be a high burden	Framework
Maximum Low Burden Residential Rate	A higher rate will be a medium or high burden	
	(*) indicates that any fee will be a low burden in this community	Framework
Maximum Income of Household Groups	Income Quintile Thresholds	ACS 5 Yr-estimate
Households with Lowest Income	Income Quintile 1 (Lowest Income Quintile)	ACS 5 Yr-estimate B19080
Households with Second Lowest Income	Income Quintile 2 (Second Lowest Income Quintile)	ACS 5 Yr-estimate B19081
Households with Middle Income	Income Quintile 3 (Middle Quintile)	ACS 5 Yr-estimate B19082
Annual Rates as Percentage of Household Income (RI)	RI calculations for each quintile	Framework
Households with Lowest-Income	RI calculations for quintile 1: Fee/Income Quintile 1	Framework
Households with Second Lowest Income	RI calculations for quintile 2: Fee/Income Quintile 2	Framework
Households with Middle Income	RI calculations for quintile 3: Fee/Income Quintile 3	Framework
Community RI	Average of RI scores for Income Quintiles 1-3	Framework
Socioeconomic Overview	Socioeconomic indicators	Average of 2015-2018
		ACS 5-year estimate
Households on SNAP	Percentage of households on SNAP in a village	ACS 5 Yr-estimate S2201
Households below Poverty Level	Percentage of households living below the poverty level in a village	ACS 5 Yr-estimate S2201
Working-age adults with full time jobs	Percentage of people between the ages of 16-64 who worked full-time	ACS 5 Yr-estimate S2303
Scores of Socioeconomic Indicators (FCI)	Scores of socioeconomic indicators to use in FCI	Framework
Households on SNAP	FCI Score of SNAP value	Framework
Households below Poverty Level	FCI Score of Poverty level	Framework
Working-age adults with full time jobs	FCI Score of adults with full-time jobs	Framework
Community FCI	Average of FCI scores	Framework

#### The Affordability of Residential Rates and Affordability Thresholds for Communities With Known Rates in 2022

		Overview			Maximum In	come of Housel	old Groups	Annual F	ates as Percenta	ge of Househol	d Income	Socio	peconomic Ove	rview	Sco	res of Socioecor	iomic Indicators	(FCI)
			Maximum	Maximum	Households	Households	Households	Lowest-	Second Lowest-	Average			Households	Working-age		Households	Working-age	
Community	Monthly	Affordability	Affordable	Low Burden	with Lowest	with Second	with Midde	Income	Income	Income	Community RI	Households	below	adults with	Households	below Poverty		Community
	Fees	Assessment	Residential Rate	Residential Rate	Income	Lowest Income	Income	Households	Households	Households		on SNAP	Poverty Level	full time jobs	on SNAP	Level	full time jobs	FCI
Adak	\$65.00	Low burden	\$306.88	\$191.80	\$27,615.40	\$58,067.80	\$85,183.40	2.82%	1.34%	0.92%	1.69%	6.7%	9.9%	67.6%		3 3	3	3.00
Akhiok	\$35.00	Medium Burden	\$66.26	\$151.00	\$30,500.00	\$41,543.20	\$53,743.40	1.38%	1.01%	0.52%		44.4%	14.9%		-		1	1.33
Akiachak	\$118.00	High Burden	\$39.32	*	\$14,246.60	\$27,542.00	\$48,383.40	9.94%	5.14%	2.93%		59.6%	35.2%				1	1.00
Akiak	\$105.00	High Burden	\$56.63	*	\$21,221.60	\$40,961.60	\$59,656.00	5.94%	3.08%	2.11%		59.5%	36.0%		1	L 1	1	1.00
Akutan	\$10.00	Low Burden	\$108.01	\$43.20	\$18,857.00	\$27,616.60	\$37,750.00	0.64%	0.43%	0.32%	0.46%	14.1%	20.4%	52.9%	2	2 1	3	2.00
Alakanuk	\$75.00	High Burden	\$42.60	*	\$15,486.20	\$30,096.20	\$51,113.40	5.81%	2.99%	1.76%	3.52%	48.0%	38.3%	18.8%	1	L 1	. 1	1.00
Aleknagik **	\$36.00	Low Burden	\$165.50	\$66.20	\$28,125.00	\$38,038.00	\$73,070.00	1.54%	1.14%	0.59%	1.09%	16.3%	18.3%	29.9%	2	2 2	1	1.67
Ambler	\$71.40	High Burden	\$49.97	*	\$19,490.60	\$32,253.40	\$56,368.80	4.40%	2.66%	1.52%	2.86%	41.5%	21.7%	40.8%	1	L 1	. 2	1.33
Anderson **	\$42.40	Low burden	\$488.99	\$305.62	\$49,013.40	\$87,857.20	\$109,700.00	1.04%	0.58%	0.46%		3.2%	2.5%		3			3.00
Angoon	\$40.00	Medium Burden	\$45.88	*	\$18,570.80	\$29,536.20	\$46,991.20	2.58%	1.63%	1.02%		36.7%	27.5%		1		. 2	1.33
Aniak **	\$70.00	Low Burden	\$187.68	\$75.07	\$30,227.60	\$49,199.20	\$75,785.80	2.78%	1.71%	1.11%		30.3%	14.3%		1		2	1.67
Atka	\$100.00	Medium Burden	\$186.71	\$74.68	\$31,533.40	\$50,250.00	\$65,200.00	3.81%	2.39%	1.84%		11.3%	13.0%		2		2	2.00
Bethel Browig Mission	\$269.80	High Burden	\$263.36	\$105.34	\$39,807.40	\$75,462.20	\$109,989.00	8.13%	4.29%	2.94%		19.6%	11.9%		2		3	2.33
Brevig Mission Buckland	\$100.00 \$89.50	High Burden High Burden	\$46.98 \$64.68	*	\$17,344.60 \$27,435.40	\$34,342.20 \$41,785.40	\$50,893.80 \$59,092.60	6.92% 3.91%	3.49% 2.57%	2.36% 1.82%		71.9% 45.5%	50.7% 22.8%		1		. 1	1.00 1.00
Chenega	\$89.50 \$145.00	Medium Burden	\$193.09	\$77.23	\$27,435.40 \$30,666.75	\$41,785.40 \$49,145.75	\$59,092.60 \$84,875.00	3.91% 5.67%	3.54%	2.05%		45.5%	22.8%		1			2.33
Chevak	\$85.00	High Burden	\$47.50	*	\$17,787.20	\$33,241.40	\$52,726.80	5.73%	3.07%	1.93%		67.3%	40.9%				2	1.33
Chignik	\$75.00	Low Burden	\$191.66	\$76.67	\$36,520.00	\$44,750.00	\$64,558.40	2.46%	2.01%	1.39%		5.5%	4.8%				1	2.33
Chignik Lagoon	\$103.62	Medium Burden	\$218.01	\$87.20	\$35,850.00	\$60,400.00	\$77,600.00	3.47%	2.06%	1.60%		0.0%	9.4%	20.8%	3		1	2.33
Chignik Lake	\$110.00	High Burden	\$51.56	*	\$22,283.40	\$32,653.40	\$46,550.00	5.92%	4.04%	2.84%		37.1%	11.4%	27.3%	1	L 2	1	1.33
Chuathbaluk	\$130.00	High Burden	\$33.89	*	\$12,638.00	\$24,450.00	\$36,333.40	12.34%	6.38%	4.29%		52.9%	48.4%		1	L 1	. 1	1.00
Coffman Cove	\$65.00	Low Burden	\$173.11	\$69.24	\$27,390.00	\$48,125.80	\$67,028.60	2.85%	1.62%	1.16%	1.88%	6.7%	6.0%	24.9%	3	3 3	1	2.33
Cold Bay	\$196.50	Low Burden	\$579.65	\$362.28	\$72,675.00	\$85,228.80	\$110,977.20	3.24%	2.77%	2.12%	2.71%	0.0%	0.0%	77.6%	3	3 3	3	3.00
Cordova	\$95.43	Low burden	\$496.51	\$310.32	\$57,457.80	\$75,805.40	\$103,251.40	1.99%	1.51%	1.11%	1.54%	2.4%	3.8%	51.6%	3	3 3	3	3.00
Eek	\$125.00	High Burden	\$48.61	atio *	\$18,920.20	\$32,817.80	\$51,192.20	7.93%	4.57%	2.93%	5.14%	44.3%	22.8%	19.9%	1	L 1	. 1	1.00
Egegik	\$60.00	Low Burden	\$195.76	\$78.31	\$32,416.75	\$50,350.00	\$76,083.40	2.22%	1.43%	0.95%		21.3%	8.1%		1	L 3	3	2.33
Ekwok **	\$20.00	Medium Burden	\$48.21	* S	\$22,291.60	\$29,175.00	\$40,680.00	1.08%	0.82%	0.59%		56.6%	19.8%		1		1	1.33
Elim	\$90.00	High Burden	\$40.55	* *	\$14,126.80	\$30,597.60	\$50,388.40	7.65%	3.53%	2.14%		36.7%	28.0%		1		. 1	1.00
Emmonak Fort Yukon	\$100.00 \$141.36	High Burden High Burden	\$55.03 \$37.72	Deta *	\$22,784.40 \$13,180.80	\$36,324.60 \$26,433.20	\$51,432.20	5.27% 12.87%	3.30% 6.42%	2.33% 3.20%		41.4% 36.4%	24.8% 23.2%		1		. 1	1.00 1.33
Gambell	\$141.36 \$106.00		\$40.25	*	\$13,180.80	\$26,433.20	\$52,994.20 \$47,282.80	8.89%	4.22%	3.20%		36.4% 64.1%	40.5%		1		. 1	1.33
Golovin	\$100.00	High Burden High Burden	\$40.23	*	\$16,100.00	\$39,316.60	\$61,725.00	8.20%	3.36%	2.09%		17.2%	24.2%		-		1	1.00
Goodnews Bay	\$106.25	High Burden	\$31.63	*	\$12,138.20	\$21,750.00	\$33,623.40	10.50%	5.86%	3.79%		58.1%	40.5%		1		. 1	1.00
Grayling	\$100.00	High Burden	\$26.08	*	\$8,453.40	\$20,325.00	\$41,245.00	14.20%	5.90%	2.91%		52.9%	45.2%		1		1	1.00
Gulkana	\$105.00	High Burden	\$37.16	*	\$13,000.00	\$26,766.80	\$49,300.00	9.69%	4.71%	2.56%		32.2%	26.8%	43.1%	1	L 1	2	1.33
Holy Cross	\$120.00	High Burden	\$38.83	*	\$14,927.00	\$26,090.00	\$42,645.00	9.65%	5.52%	3.38%	6.18%	48.0%	23.5%	18.3%	1	L 1	. 1	1.00
Hoonah	\$136.99	Medium Burden	\$190.20	\$76.08	\$30,419.40	\$50,825.60	\$75,929.40	5.40%	3.23%	2.17%	3.60%	19.0%	9.1%	36.2%	2	2 3	2	2.33
Hooper Bay	\$136.00	High Burden	\$35.35	*	\$12,697.80	\$25,470.60	\$42,674.40	12.85%	6.41%	3.82%	7.69%	63.3%	40.9%	39.6%	1	L 1	. 2	1.33
Hughes	\$177.00	High Burden	\$27.47	*	\$9,441.60	\$21,683.20	\$33,333.40	22.50%	9.80%	6.37%		39.2%	44.7%		1		1	1.00
Huslia	\$110.00	High Burden	\$53.77	*	\$21,751.60	\$36,200.00	\$51,575.00	6.07%	3.65%	2.56%		26.1%	18.7%		1		1	1.33
Hydaburg	\$60.00	High Burden	\$47.78	*	\$19,176.00	\$30,840.00	\$49,813.20	3.75%	2.33%	1.45%		30.1%	22.0%		1		. 2	
Kake	\$75.89	Medium Burden	\$154.37	\$61.75	\$23,750.00	\$42,799.60	\$64,507.80	3.83%	2.13%	1.41%		33.4%	13.5%		1		2	1.67
Kaktovik	\$69.00	Low burden	\$362.22	\$226.39	\$40,118.40	\$57,590.00	\$77,375.00	2.06%	1.44%	1.07%		3.9%	9.4%		3		2	2.67
Kaltag	\$85.00 \$25.00	High Burden	\$37.42 \$53.28	*	\$14,322.00	\$23,701.80 \$38,430.00	\$46,291.80	7.12% 1.43%	4.30%	2.20%		31.6%	27.7%		1	L 1	2	1.33 1.33
Karluk Kasaan	\$25.00 \$100.00	Medium Burden Medium Burden	\$53.28 \$151.13	\$60.45	\$20,983.25 \$20,836.80	\$38,430.00 \$50,016.80	\$49,587.50 \$67,920.00	1.43% 5.76%	0.78% 2.40%	0.60%		60.5% 13.0%	26.2% 10.6%		1		2	2.00
Kiana	\$100.00	High Burden	\$49.49	*	\$16,810.00	\$41,550.00	\$57,238.80	9.99%	4.04%	2.94%		37.6%	29.5%		4		1	1.00
King Cove	\$58.35	Low Burden	\$209.55	\$83.82	\$32,256.80	\$59,682.60	\$84,063.80	2.17%	1.17%	0.83%		16.5%	16.5%		-			2.00
King Salmon	\$60.00	Low burden	\$475.14	\$296.96	\$46,998.40	\$83,980.20	\$112,260.80	1.53%	0.86%	0.64%		5.5%	6.0%		3			3.00
Klawock	\$89.00	Medium Burden	\$130.24	\$52.09	\$19,004.60	\$35,581.40	\$65,550.00	5.62%	3.00%	1.63%		13.8%	18.3%		2	2 2	2	2.00
Klukwan	\$60.00	Medium Burden	\$102.49	\$41.00	\$14,590.00	\$30,325.00	\$48,900.00	4.93%	2.37%	1.47%	2.93%	27.2%	14.8%	33.2%	1	L 2	2	1.67
Kobuk	\$68.00	High Burden	\$54.27	*	\$21,125.00	\$36,790.00	\$56,800.00	3.86%	2.22%	1.44%	2.51%	40.3%	29.0%	27.1%	1	L 1	. 1	1.00
Kokhanok	\$90.00	High Burden	\$40.56	*	\$15,445.80	\$27,050.00	\$46,350.00	6.99%	3.99%	2.33%		43.8%	28.1%		1		1	1.00
Koliganek	\$20.00	Low Burden	\$159.65	\$63.86	\$25,181.60	\$43,300.00	\$64,550.00	0.95%	0.55%	0.37%		33.6%	12.1%		1			1.67
Kotlik	\$81.50	High Burden	\$42.81	*	\$16,178.00	\$27,927.60	\$52,115.20	6.05%	3.50%	1.88%		60.7%	41.7%		1		. 1	1.00
Kotzebue	\$148.06	Medium Burden	\$264.34	\$105.73	\$40,524.80	\$72,199.20	\$114,135.20	4.38%	2.46%	1.56%		19.0%	11.4%		2		-	2.33
Koyuk	\$70.00	High Burden	\$43.21	*	\$17,118.60	\$29,626.00	\$42,473.80	4.91%	2.84%	1.98%		52.3%	37.5%	18.1%	1			
Kwethluk	\$116.00	High Burden	\$46.59	*	\$17,500.00	\$32,498.00	\$51,537.60	7.95%	4.28%	2.70%	4.98%	54.2%	30.6%	21.2%	1	L 1	. 1	1.00

#### The Affordability of Residential Rates and Affordability Thresholds for Communities With Known Rates in 2022 (Continued)

M					i laximani inc	Joine of House	old Groups	Annual P	ates as Percenta	ge of Househol	a income	Socio	economic Ove	rview	Sco	ores of Socioecon	omic indicators	(FCI)
N/			Maximum	Maximum	Households	Households	Households	Lowest-	Second Lowest-	Average			Households	Working-age		Households	Working-age	
Community	Monthly	Affordability	Affordable	Low Burden	with Lowest	with Second	with Midde	Income	Income	Income	Community RI	Households	below	adults with	Households	below Poverty		Community
,	Fees	Assessment	Residential	Residential	Income	Lowest	Income	Households	Households	Households	,	on SNAP	Poverty Level		on SNAP	Level	full time jobs	FCI
			Rate	Rate		Income											· · ·	
Larsen Bay	\$59.95	Medium Burden	\$130.46	\$52.19	\$18,450.00	\$35,040.00	\$76,500.00	3.90%	2.05%	0.94%		14.5%	22.4%	40.9%			2	1.67
	\$156.00	High Burden	\$34.25	*	\$12,442.20	\$25,456.60	\$37,983.40	15.05%	7.35%	4.93%		59.1%	37.8%	15.2%			1	
Manokotak	\$80.00	High Burden	\$50.60	*	\$19,517.60	\$33,997.40	\$55,033.20	4.92%	2.82%	1.74%		50.0%	23.4%	32.7%			2	
	\$100.00 \$130.00	High Burden Medium Burden	\$48.10 \$153.02	\$61.21	\$20,026.60 \$23,408.40	\$32,239.40 \$44,384.40	\$43,496.00 \$60,825.00	5.99% 6.66%	3.72% 3.51%	2.76% 2.56%		61.0% 18.6%	37.6% 16.6%	20.7% 44.3%			1	
Metlakatla	\$130.00	Medium Burden	\$155.02	\$69.66	\$26,635.20	\$46,889.00	\$77,481.60	3.15%	1.79%	2.50%		32.1%	10.0%	44.3%			2	
Minto	\$25.00	Medium Burden	\$34.68	\$09.00	\$11,125.00	\$30,460.00	\$46,600.60	2.70%	0.98%	0.64%		34.0%	35.2%	21.0%			1	
Mountain Village	\$23.00	High Burden	\$46.12	*	\$17,454.80	\$32,390.80	\$49,390.60	6.19%	3.33%	2.19%		54.0% 88.9%	36.4%	26.0%			1	
Nanwalek	\$35.00	Medium Burden	\$59.85	*	\$24,950.00	\$40,923.60	\$52,546.60	1.68%	1.03%	0.80%		46.5%	30.4%	25.6%			1	
	\$112.50	Medium Burden	\$118.97	\$47.59	\$17,481.00	\$32,000.00	\$60,207.80	7.72%	4.22%	2.24%		59.3%	16.0%	46.7%			2	
New Stuyahok	\$75.00	High Burden	\$53.12	*	\$20,628.80	\$37,862.00	\$52,000.20	4.36%	2.38%	1.73%		74.0%	25.7%	12.3%			1	
	\$175.00	High Burden	\$60.04	*	\$27,400.00	\$37.210.60	\$50,233,40	7.66%	5.64%	4.18%		44.5%	20.7%	30.6%		1 1	2	
Nikolaevsk	\$80.00	High Burden	\$40.80	*	\$14,270.00	\$31,032.60	\$49,391.60	6.73%	3.09%	1.94%		30.9%	23.3%	43.1%		1 1	2	
	\$138.00	High Burden	\$68.85	*	\$27,966.60	\$46,104.40	\$65,916.80	5.92%	3.59%	2.51%		61.1%	20.9%	24.3%			1	
Nondalton	\$60.00	High Burden	\$58.28	*	\$23,801.20	\$37,500.00	\$58,423.40	3.03%	1.92%	1.23%		28.1%	13.6%	26.1%		1 2		
	\$112.50	High Burden	\$52.48	*	\$20,615.20	\$37,483.40	\$49,800.00	6.55%	3.60%	2.71%		36.9%	25.3%	34.3%		1 1	2	
Old Harbor	\$45.00	High Burden	\$33.57	*	\$12,150.80	\$22,091.60	\$46,779.20	4.44%	2.44%	1.15%		17.3%	32.9%	26.9%	1	2 1	1	
Ouzinkie	\$90.00	Medium Burden	\$131.78	\$52.71	\$20,158.40	\$36,876.60	\$55,158.40	5.36%	2.93%	1.96%	3.41%	14.6%	17.3%	29.7%	1	2 2	1	1.67
Pelican	\$50.00	Low burden	\$316.41	\$197.75	\$33,818.40	\$46,543.40	\$82,271.80	1.77%	1.29%	0.73%	1.26%	1.9%	6.2%	48.0%	3	3 3	2	
Perryville	\$30.00	Medium Burden	\$44.77	*	\$20,383.40	\$27,560.00	\$37,966.60	1.77%	1.31%	0.95%	1.34%	42.7%	30.2%	5.1%		1 1	1	1.00
Pilot Station	\$100.00	High Burden	\$44.55	* * lations	\$20,950.00	\$25,876.80	\$38,692.40	5.73%	4.64%	3.10%	4.49%	65.5%	45.1%	18.0%		1 1	1	1.00
Pitkas Point	\$120.00	High Burden	\$52.73	* lati	\$18,466.60	\$41,750.00	\$59,812.00	7.80%	3.45%	2.41%	4.55%	67.6%	30.8%	14.4%	:	1 1	1	1.00
Port Graham	\$20.00	Medium Burden	\$41.93	* Calcu	\$15,310.00	\$29,177.20	\$50,909.60	1.57%	0.82%	0.47%	0.95%	17.8%	31.1%	29.4%		2 1	1	1.33
Port Lions	\$71.00	Medium Burden	\$146.32		\$23,383.20	\$36,844.20	\$64,426.60	3.64%	2.31%	1.32%	2.43%	8.0%	12.6%	19.5%	3	3 2	1	2.00
Quinhagak	\$87.55	High Burden	\$43.63	* * *	\$16,824.80	\$29,207.60	\$47,800.00	6.24%	3.60%	2.20%	4.01%	56.3%	33.8%	14.1%		1 1	1	1.00
Russian Mission	\$60.00	High Burden	\$50.67	Set *	\$21,548.80	\$32,542.40	\$46,433.40	3.34%	2.21%	1.55%	2.37%	69.6%	33.6%	20.5%		1 1	1	1.00
Sand Point	\$59.40	Low Burden	\$192.37	\$76.95	\$27,619.40	\$56,951.20	\$89,175.20	2.58%	1.25%	0.80%	1.54%	12.1%	12.7%	51.3%	1	2 2	3	2.33
Savoonga	\$85.00	High Burden	\$43.87	*	\$15,543.40	\$32,446.80	\$53,113.80	6.56%	3.14%	1.92%		66.5%	42.4%	21.5%		1 1	1	
	\$126.00	High Burden	\$123.43	\$49.37	\$17,894.00	\$35,542.40	\$57,960.00	8.45%	4.25%	2.61%		39.4%	19.7%	50.8%		1 2	-	
	\$128.63	High Burden	\$38.75	*	\$15,214.00	\$25,574.40	\$41,328.40	10.15%	6.04%	3.73%		63.1%	46.0%	12.5%	1		1	
Selawik	\$85.00	High Burden	\$43.51	*	\$14,950.20	\$34,366.60	\$52,848.60	6.82%	2.97%	1.93%		61.9%	43.7%	25.9%	1		1	
Seldovia	\$90.93	Low Burden	\$338.68	\$211.68	\$36,401.80	\$55,718.00	\$73,346.80	3.00%	1.96%	1.49%		5.7%	4.1%	44.3%		3 3	-	
Shaktoolik	\$80.00	Medium Burden	\$186.33	\$74.53	\$31,662.80	\$47,766.60	\$68,650.00	3.03%	2.01%	1.40%		27.1%	17.0%	32.0%			2	
Shungnak	\$85.68	High Burden	\$61.97	*	\$24,983.40	\$42,656.60	\$58,100.00	4.12%	2.41%	1.77%		40.9%	23.8%	30.7%		1 1	2	
	\$156.25	High Burden	\$40.22	****	\$14,250.00	\$28,256.60	\$53,302.00	13.16%	6.64%	3.52%		53.7%	27.5%	4.5%			1	
South Naknek	\$90.00	Medium Burden	\$140.43	\$56.17	\$23,206.60	\$34,600.00	\$58,762.50	4.65%	3.12%	1.84%		20.7%	4.5%	29.0%	-		-	
	\$111.00	High Burden	\$54.43	*	\$22,770.40	\$35,666.40	\$50,241.20	5.85%	3.73%	2.65%		46.1%	25.0%	25.3%	-		1	
	\$250.00	High Burden	\$48.94	¢71 47	\$19,984.00	\$31,743.40	\$48,491.60	15.01%	9.45%	6.19%		54.3%	31.3%	25.0%	-		1	
St. Paul	\$60.00 \$110.00	Low Burden	\$178.66 \$42.43	\$71.47 *	\$26,533.40 \$17,966.60	\$51,816.80 \$26,585.40	\$77,060.80 \$40,725.00	2.71% 7.35%	1.39% 4.97%	0.93% 3.24%		15.6% 40.0%	16.2% 22.7%	67.1%			3	
	\$110.00 \$20.00	High Burden	\$42.43	\$51.92	\$17,966.60	\$26,585.40 \$37,904.20	\$40,725.00 \$66,148.40	7.35%	4.97%	3.24%		40.0%	18.6%	24.1% 39.6%			1	
Tanana Tatitlek	\$20.00 \$100.00	Low Burden Medium Burden	\$129.81 \$226.95	\$51.92 \$90.78	\$18,250.00	\$37,904.20 \$55,816.60	\$66,148.40 \$78,666.60	2.93%	2.15%	0.36%		22.3%	2.4%	39.6% 29.8%		1 2 3 3		
	\$148.62	Low Burden	\$252.18	\$157.61	\$24,118.40	\$42,988.60	\$68,567.20	7.39%	4.15%	2.60%		9.1%	9.7%	43.5%			2	
Togiak	\$80.00	High Burden	\$49.59	*	\$18,593.40	\$33,208.20	\$59,072.60	5.16%	2.89%	1.63%		44.7%	27.7%	21.4%			1	
Toksook Bay	\$65.00	High Burden	\$59.02	*	\$23,429.00	\$39,168.80	\$60,585.60	3.33%	1.99%	1.03%		52.0%	27.7%	17.2%			1	
Twin Hills	\$50.00	High Burden	\$39.52	*	\$16,925.00	\$23,910.00	\$39,050.00	3.55%	2.51%	1.54%		34.4%	39.3%	36.3%			2	
	\$128.25	High Burden	\$40.10	*	\$13,269.75	\$34,646.60	\$48,887.60	11.60%	4.44%	3.15%		32.6%	25.8%	32.1%			2	
Unalakleet	\$90.00	Medium Burden	\$175.27	\$70.11	\$25,016.80	\$49,958.80	\$88,275.60	4.32%	2.16%	1.22%		22.1%	14.8%	47.1%		1 2	2	
	\$150.00	High Burden	\$43.69	*	\$15,825.20	\$32,701.00	\$48,362.60	11.37%	5.50%	3.72%		48.1%	29.4%	21.9%			1	
	\$105.00	High Burden	\$44.12	*	\$16,133.40	\$30,022.40	\$55,409.40	7.81%	4.20%	2.27%		40.8%	22.4%	25.6%		1 1	1	
Yakutat	\$82.00	Low burden	\$365.88	\$228.67	\$39,808.00	\$57,274.00	\$82,764.20	2.47%	1.72%	1.19%		9.4%	4.7%	43.1%		3 3		

(\*) In this community, any rate will be at least a medium burden.

(\*\*) Residential rate for sewer services only.

## Metadata for Communities with Unknown Residential Rates

Header	Explanation	Source
Maximum Affordable Residential Rate	A higher rate will be a high burden	Framework
Maximum Low Burden Residential Rate	A higher rate will be a medium or high burden (*) indicates that any fee will be a low burden in this community	Framework
Maximum Income of Household Groups	Income Quintile Thresholds	Average of 2015-2018 ACS 5 Yr-estimate
Households with Lowest Income	Income Quintile 1 (Lowest Income Quintile)	ACS 5 Yr-estimate B19080
Households with Second Lowest Income	Income Quintile 2 (Second Lowest Income Quintile)	ACS 5 Yr-estimate B19081
Households with Middle Income	Income Quintile 3 (Middle Quintile)	ACS 5 Yr-estimate B19082
Socioeconomic overview	Socioeconomic indicators	ACS 5-year estimate
Households on SNAP	Percentage of households on SNAP in a village	ACS 5 Yr-estimate S2201
Households below Poverty Level	Percentage of households living below the poverty level in a village	ACS 5 Yr-estimate S2201
Working-age adults with full time jobs	Percentage of people between the ages of 16-64 who worked full-time	ACS 5 Yr-estimate S2303
Scores of Socioeconomic Indicators (FCI)	Scores of socioeconomic indicators to use in FCI	Framework
Households on SNAP	FCI Score of SNAP value	Framework
Households below Poverty Level	FCI Score of Poverty level	Framework
Working-age adults with full time jobs	FCI Score of adults with full-time jobs	Framework
Community FCI	Average of FCI scores	Framework

## Affordability Thresholds for Communities With Unknown Residential Rates in 2022

	Overview			Maximum	Income of Househo	old Groups	Soci	peconomic Ove	rview	Scor	es of Socioecon	omic Indicators	(FCI)
Community	Frameworks' Maximum Affordable Fee	Frameworks' Maximum Fee for Low Burden		Households with Lowest-Income	Households with Second Lowest- Income	Households with Average Income	Households on SNAP	Households below Poverty Level	Working-age adults with full time jobs	Households on SNAP	Households below Poverty Level	Working-age adults with full time jobs	Community FCI
Anvik	\$44.75	*		\$16,121.60	\$35,163.40	\$47,000.00	26.1%	19.2%	29.2%	1	2	1	1.33
Clark's Point	\$24.97	*	ns	\$9,058.40	\$19,603.40	\$25,730.00	31.0%	52.1%	10.3%	1	1	1	1.00
Craig	\$194.79	\$77.92	atio	\$30,808.20	\$52,469.80	\$79,020.20	11.9%	12.3%	50.1%	2	2	3	2.33
Deering	\$60.39	*	culatio	\$25,400.00	\$40,910.00	\$52,671.60	32.2%	14.8%	28.5%	1	. 2	1	1.33
Dillingham	\$233.19		Cal	\$36,451.00	\$64,527.60	\$93,703.40	12.5%	11.2%	57.3%	2	2	3	2.33
Galena	\$218.93	\$87.57	ed	\$34,692.20	\$60,183.00	\$85,792.80	15.2%	11.7%	56.9%	2	2	3	2.33
Kasigluk	\$46.62	*	etail	\$17,352.80	\$31,027.80	\$57,528.60	70.6%	39.3%	17.5%	1	1	1	1.00
Levelock	\$38.35	*	õ	\$16,033.40	\$23,263.40	\$39,950.00	39.9%	27.1%	16.6%	1	1	1	1.00
Nelson Lagoon	\$201.27	\$80.51		\$33,433.40	\$53,057.25	\$74,916.60	17.1%	8.4%	50.0%	2	3	2	2.33
Nikolski	\$124.19	\$49.67		\$21,125.00	\$33,687.50	\$42,312.50	5.4%	17.5%	20.3%	3	2	1	2.00
Noorvik	\$56.47	*		\$20,717.40	\$39,316.80	\$67,395.00	49.5%	32.5%	20.5%	1	1	1	1.00
Nunam Iqua	\$46.91	*		\$19,775.00	\$31,328.60	\$41,515.40	57.0%	42.5%	19.7%	1	1	1	1.00
Takotna	\$37.93	*		\$15,925.00	\$22,866.60	\$39,520.75	61.1%	44.0%	38.0%	1	1	2	1.33
Whittier	\$154.14	*		\$23,314.00	\$43,326.40	\$66,134.80	22.1%	10.2%	46.1%	1	. 2	2	1.67

(\*) In this community, any rate will be at least a medium burden.

## Affordability Thresholds for Unserved Communities in 2022

	Overview			Maximum In	come of Househ	old Groups	Soci	oeconomic Over	/iew	Scor	res of Socioecon	omic Indicators	(FCI)
Community	Maximum Affordable Residential Rate	Maximum Low Burden Residential Rate		Households with Lowest Income	Households with Second Lowest Income	Households with Midde Income	Households on SNAP	Households below Poverty Level	Working-age adults with full time jobs	Households on SNAP	Households below Poverty Level	Working-age adults with full time jobs	Community FCI
Alatna	\$271.80	\$169.87		\$33,333.00	\$41,625.00	\$51,125.00	0.0%	0.0%	32.3%	3	3	2	2.67
Allakaket	\$27.58	*		\$10,458.40	\$19,150.00	\$29,916.60	50.3%	41.0%	19.2%	1	. 1	1	1.00
Arctic Village	\$26.56	*		\$8,406.25	\$23,125.00	\$38,357.60	64.5%	43.9%	11.5%	1	. 1	1	1.00
Atmautluak	\$36.19	*		\$12,218.75	\$28,553.40	\$46,925.00	65.8%	36.0%	29.9%	1	. 1	1	1.00
Birch Creek	Missing Data	*		Missing Data	Missing Data	Missing Data	33.4%	100.0%	Missing Data	1	. 1	Missing Data	1.00
Chalkyitsik	\$39.07	*		\$17,433.40	\$25,312.00	\$32,151.40	49.4%	38.4%	21.5%	1	. 1	1	1.00
Chefornak	\$61.02	*		\$24,337.60	\$40,711.20	\$61,416.80	51.7%	17.7%	14.1%	1	. 2	1	1.33
Circle	\$26.83	*		\$10,812.60	\$17,471.00	\$27,312.50	54.4%	53.9%	20.2%	1	. 1	1	1.00
Crooked Creek	\$32.68	*		\$11,075.00	\$24,691.60	\$45,050.00	56.8%	45.3%	9.6%	1	. 1	1	1.00
Diomede	\$22.55	*		\$8,512.60	\$14,066.60	\$30,150.00	54.1%	43.1%	29.6%	1	. 1	1	1.00
Eagle	\$120.47	\$48.19	us	\$19,970.00	\$29,495.60	\$50,562.50	17.5%	16.1%	21.2%	2	2	1	1.67
Eagle Village	\$103.05	\$41.22	Calculations	\$14,305.25	\$31,935.20	\$49,808.40	11.4%	17.3%	30.7%	2	2	2	2.00
Kipnuk	\$36.04	*	cula	\$12,508.60	\$27,099.20	\$45,685.80	60.3%	38.1%	15.9%	1	. 1	1	1.00
Kivalina	\$62.27	*	Cal	\$23,174.00	\$43,821.40	\$69,833.40	58.5%	28.7%	30.9%	1	. 1	2	1.33
Kongiganak	\$57.23	*		\$22,990.60	\$38,207.20	\$56,483.40	58.4%	22.9%	14.8%	1	. 1	1	1.00
Koyukuk	\$23.64	*	Detailed	\$8,688.40	\$16,162.60	\$28,920.20	32.5%	34.9%	19.1%	1	. 1	1	1.00
Lime Village	\$19.57	*	De	\$7,500.00	\$12,500.00	\$23,750.00	66.0%	39.3%	0.0%	1	. 1	1	1.00
Newtok	\$43.27	*		\$17,265.00	\$26,660.00	\$49,682.60	43.4%	32.7%	9.2%	1	. 1	1	1.00
Oscarville	\$54.50	*		\$18,395.75	\$43,216.60	\$70,187.50	35.8%	34.9%	26.1%	1	. 1	1	1.00
Platinum	\$77.45	\$30.98		\$12,875.00	\$14,500.00	\$67,750.00	38.1%	16.7%	33.0%	1	. 2	2	1.67
Ruby	\$41.12	*		\$16,955.00	\$26,459.80	\$40,298.60	35.2%	27.7%	25.3%	1	. 1	1	1.00
Shageluk	\$17.89	*		\$6,083.33	\$14,520.75	\$21,614.50	55.6%	56.2%	37.5%	1	. 1	2	1.33
Shishmaref	\$48.56	*		\$18,869.80	\$33,227.80	\$50,317.80	55.0%	36.6%	27.3%	1	. 1	1	1.00
Stebbins	\$44.80	*		\$15,578.25	\$34,902.40	\$53,268.40	57.9%	35.6%	25.1%	1	. 1	1	1.00
Stevens Village	\$6.91	*		\$2,500.00	\$5,583.50	\$6,916.50	54.3%	54.3%	0.0%	1	. 1	1	1.00
Stony River	\$75.27	*		\$31,650.00	\$47,550.00	\$72,450.00	29.1%	42.6%	8.4%	1	. 1	1	1.00
Teller	\$38.34	*		\$14,864.60	\$25,250.00	\$42,462.60	51.1%	37.6%	31.0%	1	. 1	2	1.33
Tuluksak	\$30.66	*		\$11,298.40	\$20,805.80	\$37,716.60	75.9%	58.9%	35.0%	1	. 1	2	1.33
Tuntutuliak	\$44.71	*		\$17,853.00	\$30,456.00	\$43,521.00	67.9%	41.1%	18.7%	1	. 1	1	1.00
Tununak	\$47.35	*		\$19,816.60	\$31,053.40	\$43,592.80	60.6%	37.5%	13.9%	1	. 1	1	1.00
Venetie	\$25.77	*		\$7,243.20	\$28,733.20	\$47,175.00	56.2%	49.4%	36.0%	1	. 1	2	1.33
Wales	\$40.68	*		\$16,528.40	\$26,652.80	\$40,175.00	48.0%	29.6%	24.9%	1	. 1	1	1.00

(\*) In this community, any rate will be at least a medium burden.