

Home Energy Rating Certificate

UNOFFICIAL



The Home Located At:

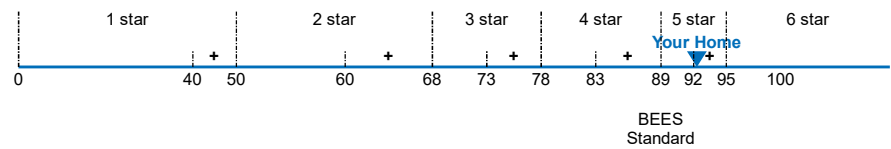
BAXTER PH.2 BUILDING TYPE G
Anchorage, AK 99504

Has Been Energy-Rated As:

★★★★★+

Five Star Plus

Efficiency Score	Renewables Bonus	Combined Score
92.3 points	0.0 points	92.3 points



Amount of CO2 Produced by the Home

38,138 pounds per year

Projected Annual Energy Costs

\$7,443 per year

Breakdown of Costs, \$ Per Year

Floor	\$201
Wall/Door	\$457
Window	\$168
Ceiling	\$102
Air/Vent	\$411
Htg System Loss	\$101
Hot Water	\$807
Cooling	\$0
Lights/Appl.	\$5,196
Renewables	\$0

Client: Cook Inlet Housing Authority Rater: Richard R. Owens, Residential Energy Designs Date: 3/31/2026
 Rater's City: Palmer, Alaska 99645 Contact: 9072325644, rich_r_owens@hotmail.com
 ver. 2.18.0.0, library: 3/13/2026, Rating Type: From Plans

I certify that this Rating is true and correct, to the best of my knowledge and belief: _____
 Rater Signature

Energy Cost and Features Report

(DOCUMENT DOES NOT NEED TO BE RECORDED)

Property: Cook Inlet Housing Authority
 BAXTER PH.2 BUILDING TYPE G
 Anchorage, AK 99504

House: Multi-Family, Whole Building
 Living Floor Area: 3,845 square feet
 No Attached Garage

Rater: Richard R. Owens
 Residential Energy Designs
 P.O. Box 4857
 Palmer, Alaska 99645

Rating: From Plans
 ID: CIHA-Baxter Ph.2 BLDG G

Envelope Efficiency

Floor Insulation	R-24.9 *
Wall/Door Insulation	R-18.6 *
Ceiling Insulation	R-49.1
Window U-Value	U-0.25
Window SHGC	0.30
Window to Wall Ratio, Living Space	12.8%
South Facing Window Area	102 square feet
Air Leakage	3.5 Air Changes per Hour at 50 Pascals
	0.22 Air Changes per Hour Natural

* Includes the insulating value of the ground in contact with these components.

Space Heating System

Fuel	Natural Gas
System Type	Boiler
Model	95% Boiler
Efficiency	95%
Btu/hr Output	11,000 - 110,000 Btu/hr
Primary Htg. Sys. Design Load	58,514 Btu/hr
Garage Htg. Sys. Design Load	0 Btu/hr
Supplemental Fuel	None
Thermostat Setting	70.0 degrees F
Setback Thermostat	Yes, Controls Entire Home

Water Heater

Efficiency	90%
Location	Conditioned Space
Fuel Type	Natural Gas

Space Cooling System: None Present

Ventilation

System Type	Continuous Ventilation without Heat Recovery
Required Ventilation	83 CFM
Measured Ventilation	320 CFM

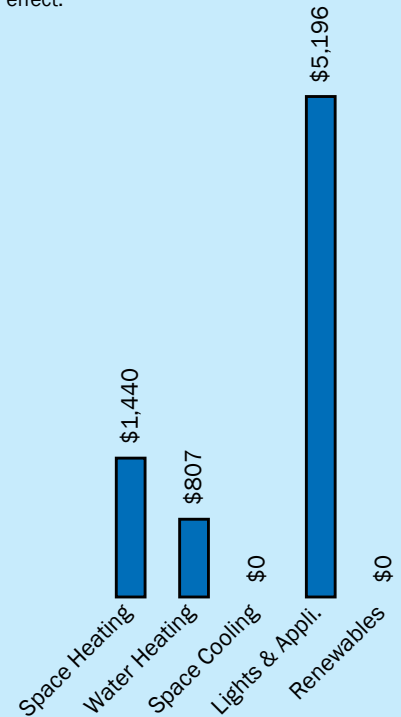
Other

Number of Bedrooms	9
Clothes Dryer Fuel	Electricity
Cooking Range Fuel	Electricity
Oven Fuel	Electricity
Miscellaneous Lights/Appliance Use	Average
CAZ Test Normal Conditions	Pass

ver. 2.18.0.0, library: 3/13/2026, file: CIHA-Baxter Ph.2 BLDG G.hm2

Estimated Annual Energy Costs

Actual use and costs may vary from these estimates depending upon weather conditions, occupant life styles and utility rates currently in effect.



Electricity: \$0.2096/kWh, Natural Gas: \$1.34/ccf
 Space Heating: 147 kWh of Electricity, 1,050 ccf of Natural Gas
 Water Heating: 601 ccf of Natural Gas
 Space Cooling:
 Lights & Appliances: 24,790 kWh of Electricity

