



Home Energy Assessment Application

Our residential Home Energy Assessment Program will help you make confident, informed, and educated decisions about home electrification, heat pumps, and alternate heating options. AHS currently offers live assessments in Juneau and Sitka and a mix of in-person and virtual assessments in the Accelerating Clean Energy Savings (ACES) program region. For communities outside of the ACES program region, AHS offers virtual assessments for a fee of \$125. Please note that our energy assessments are not energy audits. AHS energy assessments will provide an informative and helpful home energy consultation intended to provide you with a deeper understanding of your home and its energy needs.

Supporting Documents:

Along with this completed application, you will need to provide supporting documents. This information will help our energy advisors accurately determine your home's heating needs.

This application and all supporting documents can be submitted by email to assessments@akheatsmart.org or mailed to:

AK Heat Smart, Box 20912, Juneau, AK 99802

Please include the following information with your application:

- Floor plan of your home (can be a rough sketch)
- Last three years (if possible) of oil and/or propane usage – dates delivered and gallons delivered (if applicable)
- Last three years of electric usage (from your utility provider - details below under “Electrical Details”)
- Estimated # of cords of wood used each year (if applicable)
- Estimated # of 40lb bags of pellets used each year (if applicable)
- Last three years of natural gas usage – CCF (if applicable)



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Applicant Information

1. Applicant Name:
2. Email Address:
3. Phone Number:
4. Address of home to be evaluated (include city and zip code):

Home Details

1. What year was your home built?
2. What is the square footage of the heated space of the home?
Standard "living space" definition, excludes garages, outbuildings, etc.
3. How many years have you lived in the home?
4. Which of the following space heating systems do you currently use? (circle all that apply)
 - a. Fuel oil boiler (hydronic)
 - b. Electric boiler (hydronic)
 - c. Fuel oil furnace (forced air)
 - d. Electric resistance baseboard
 - e. Monitor / Toyo-type stove
 - f. Wood pellet stove
 - g. Wood stove
 - h. Heat pump
 - i. Hydronic in-floor radiant (oil)
 - j. Hydronic in-floor radiant (electric)
 - k. Electric resistance in-floor radiant
 - l. Plug in space heaters
 - m. I'm not sure
 - n. Other (please describe):



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5. Which of the following water heating systems do you use?
- a. Electric water heater tank
 - b. Tank connected to boiler
 - c. Propane on-demand
 - d. Electric on-demand
 - e. Oil on-demand
 - f. Heat pump
 - g. I'm not sure
 - h. Other (please describe):
6. Which of the following fuels do you use for cooking?
- a. Electricity
 - b. Propane
 - c. Natural gas
 - d. Other (please describe):
7. Which of the following fuels do you use for drying clothes?
- a. Electricity
 - b. Propane
 - c. Natural gas
 - d. Other (please describe):
8. Do you drive an electric vehicle that you charge at home?
- a. Yes
 - b. No
9. Has a formal energy audit been performed on the house?
- a. Yes
 - b. No
 - c. Don't know



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Heating Goals

1. Where are you in the process of considering a heat pump?
 - a. Interested, just want to know more for now
 - b. Hoping to decide in the next 6 months
 - c. Definitely planning to install a heat pump
 - d. Already have estimates from contractors

2. Why are you considering changes to your heating system? (circle all that apply)
 - a. Reduce heating costs
 - b. Replace aging equipment
 - c. Eliminate a specific appliance from home heating system
 - d. Increase comfort
 - e. Add redundancy to heating systems
 - f. More flexibility on locations being heated
 - g. Desire cooling as well as heating
 - h. Reduce emissions or other environmental sustainability concerns
 - i. Get off oil
 - j. Eliminate oil tank-related liability
 - k. Other (please describe):

3. Do you already have an overall vision for heat pumps in your home?

Many cost-effective heat pump installations are air-to-air units installed in primary living spaces while keeping existing heating systems, but there are many options, depending on your goals. If you already have a plan you are considering, please let us know!

- a. Yes (please describe):

- b. No

Electric Utility Details

Electricity usage data is important for sizing equipment and estimating cost savings, as well as reporting program success. We use your past electric usage to predict future costs when a heat pump is added to the electrical load.

Please reach out to your electric utility's billing representative and ask for a report that shows electrical usage totals for each month for the last 3 years. You can give them permission to email the report straight to us at assessments@akheatsmart.org or you can share it with us, however works best for you.



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Fuel Usage Details

1. Annual Fuel Totals

If you are not submitting fuel usage data, please write out your annual totals below. Please give the number of gallons used annually, rather than the dollar amount.

2. Have you made usage changes or implemented any renovations or energy efficiency measures in the last 3 years that would have affected energy usage data? (circle all that apply)
- a. Implemented energy efficiency upgrades (appliances, insulation, windows, etc.)
 - b. Enlarged/reduced the heated space in the house
 - c. Installed or removed energy intensive equipment (e.g. hot tub, sauna, space heaters, etc)
 - d. Changed number or nature of occupants
 - e. Purchased electric vehicle
 - f. None of the above
 - g. Other (please describe):

Disclaimer

Alaska Heat Smart makes every effort to provide the best information possible, but our advice is still only informational. Final decision on all aspects of any alterations to your home and heating system must ultimately come from yourself, in consultation with your contractor(s) and engineers. We do not guarantee that installation and operation of energy efficient equipment will result in reduced usage or in cost savings. The manner in which a customer uses and maintains equipment may affect potential cost savings. In no event shall Alaska Heat Smart be held liable for any incidental or consequential damages or expenses resulting from the decisions made by the customer based on our information or advice.

By signing below, I acknowledge and accept the disclaimer.

Signature:

Date:

Thank you for filling out an application!

Please reach out with any questions to assessments@akheatsmart.org