

Energy-Efficiency Programs

Progress Update for Alaska Legislature 3.4.2009



 **Weatherization**
PROGRAM

 **Home Energy Rebate**
PROGRAM

Overview

- \$200 million for **weatherization**
(income-based, no-cost program)
- \$100 million for **rebates**
(for those NOT qualifying for weatherization program:
rebates for eligible improvements - ratings required)
- \$60 million additional for rebates 9/2008
(to carry program into next calendar year)
- Large training component for both programs

Allocations

	Rebate	Weatherization
Anchorage Region	\$26 million	• \$34 million
Southcentral Region	\$16 million	• \$24 million
Fairbanks Region	\$17 million	• \$29 million
Interior Region	\$2 million	• \$12 million
Juneau Region	\$4 million	• \$12 million
Southeast Region	\$5 million	• \$14 million
Northern Region	\$4 million	• \$18 million
Western Region	\$5 million	• \$20 million
Southwest Region	\$2 million	• \$12 million

Program Start-Up

- April 2008: Programs approved
 - AHFC operates under emergency regulations
 - Training & personnel ramp-up started
- May 2008: Programs launched
- July 2008: Public hearing & final regulations adopted
- Summer 2008: Continued ramp-up & training



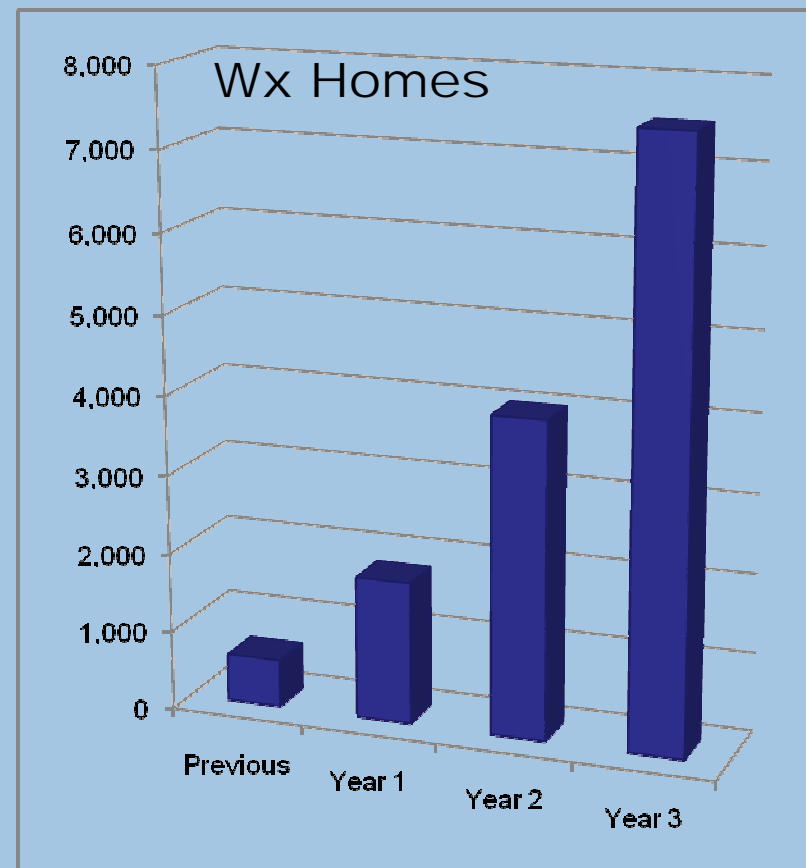
Weatherization

PROGRAM

Weatherization PROGRAM

Progress Report

- Previous program weatherized 600 homes.
- This year that number will triple to 1800.
- Year 2: 4000
- Year 3: 7500
- Statewide weatherization providers and housing authorities continue ramping up.

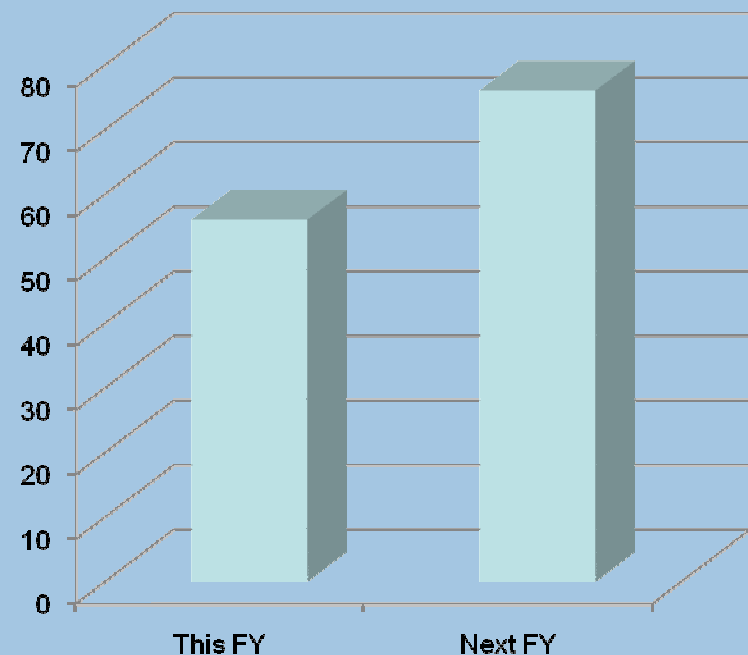


Weatherization PROGRAM

Progress Report

- **\$30 million** currently on the street.
- **\$59.9 million** projected for next fiscal year.
- Communities and surrounding areas served: **56** this year and **76** next year.
- Statewide weatherization providers & housing authorities continue ramping up.

Wx Communities/Areas Served



Weatherization PROGRAM

Program Snapshot

Weatherization homes this fiscal year

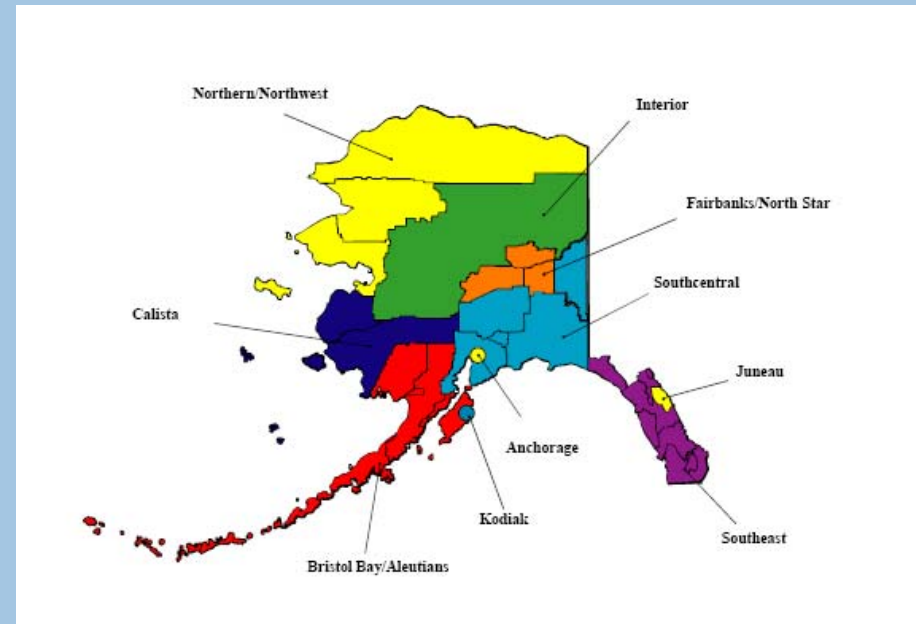


Current Status of Wx Homes

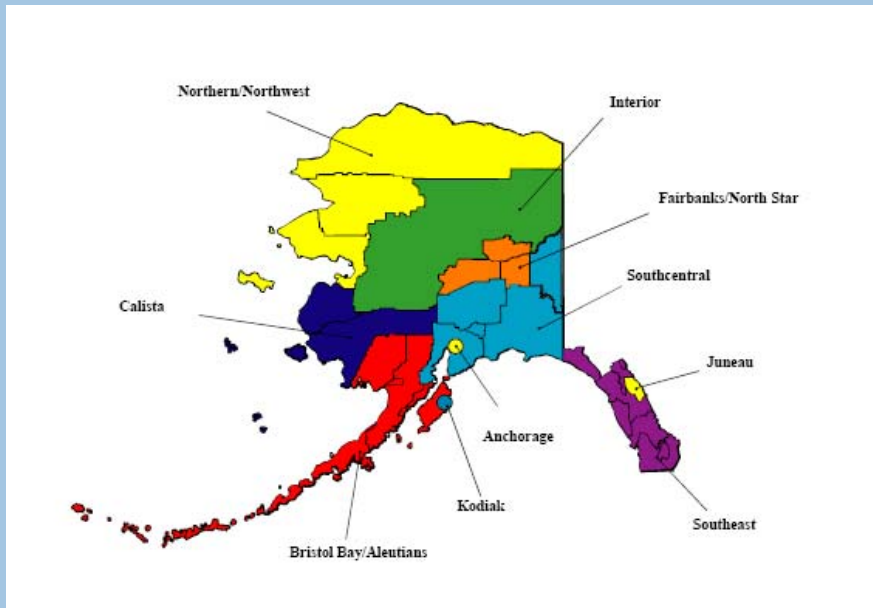
Homes	Status
700	Completed
500	Near Completion
600	Assessment/Early Construction

Statewide Weatherization Providers

- Alaska Community Development Corporation
- Interior Weatherization
- Municipality of Anchorage
- Rural Community Action Program
- RuralCap-Juneau
- Tanana Chiefs Conference



Alaska Housing Authorities Weatherization



- Aleutian Housing Authority
- AVCP Regional Housing Authority
- Baranof Island Housing Authority
- Bering Straits Regional Housing Authority
- Bristol Bay Housing Authority
- Cook Inlet Housing Authority
- Copper River Basin Reg. Housing
- Interior Regional Housing Authority
- Kodiak Island Housing Authority
- North Pacific Rim Housing Authority
- Northwest Inupiat Housing Authority
- Tagiugmiullu Nunamiullu (TNHA) through North Slope Borough
- Tlingit-Haida Regional Housing Authority
- Ketchikan Indian Community
- Metlakatla Housing Authority



Home Energy Rebate PROGRAM

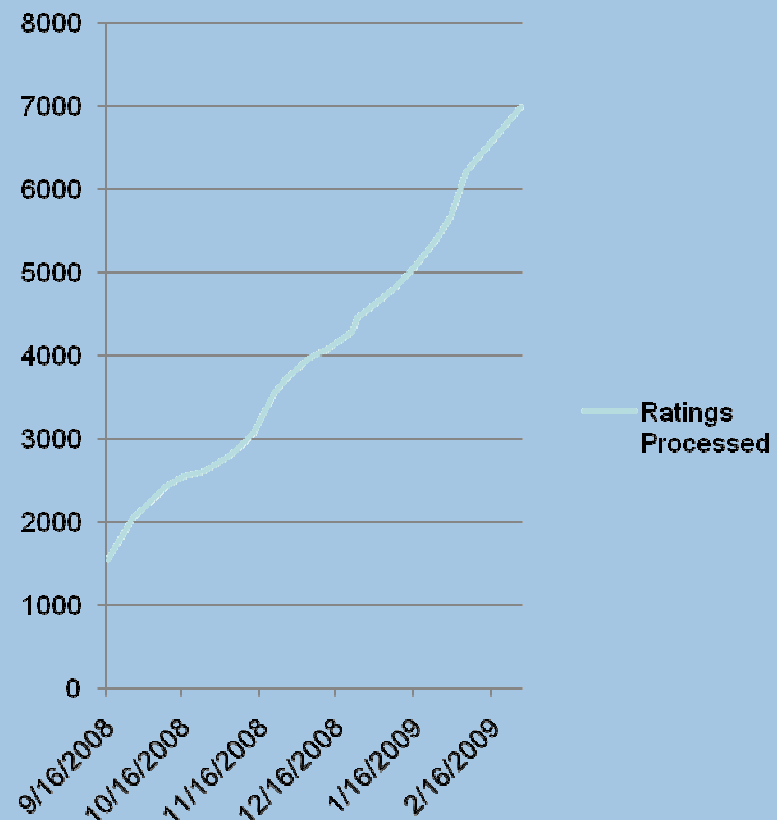


www.ahfc.state.ak.us/energy

Home Energy Rebate PROGRAM

Ratings Processed

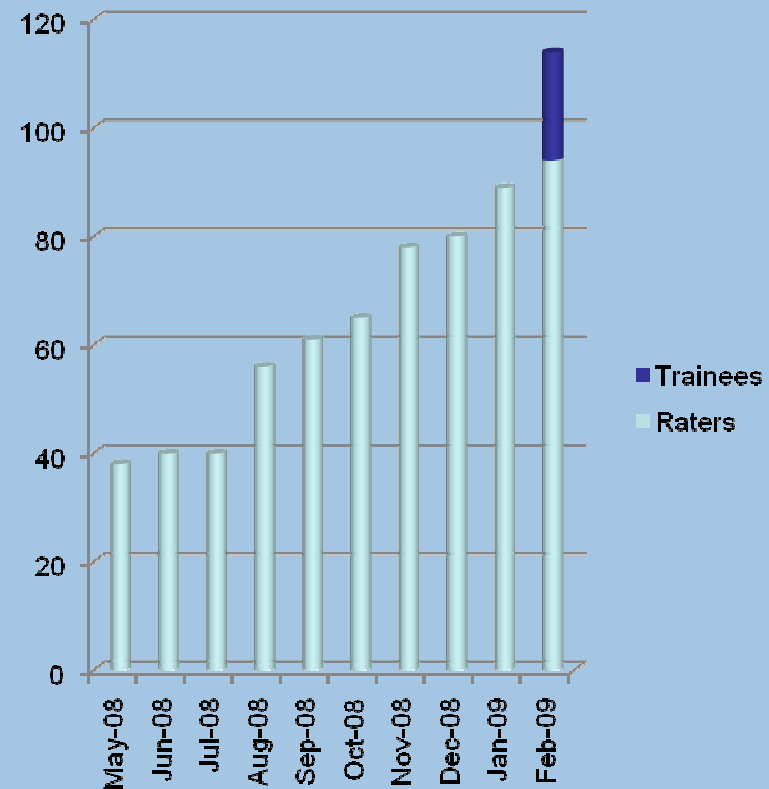
- *Estimate:* Over 8000 ratings performed by raters
- **7002** ratings processed
- Approximately **\$66.3 million** committed
- 100-150 applications received per day
- Over 200 inquiries per day
- **417** Post-Improvement rebates paid average: **\$5909**
- **187** New 5 Star Plus rebates paid totaling **\$1.4 million**



Home Energy Rebate PROGRAM

Rater Availability

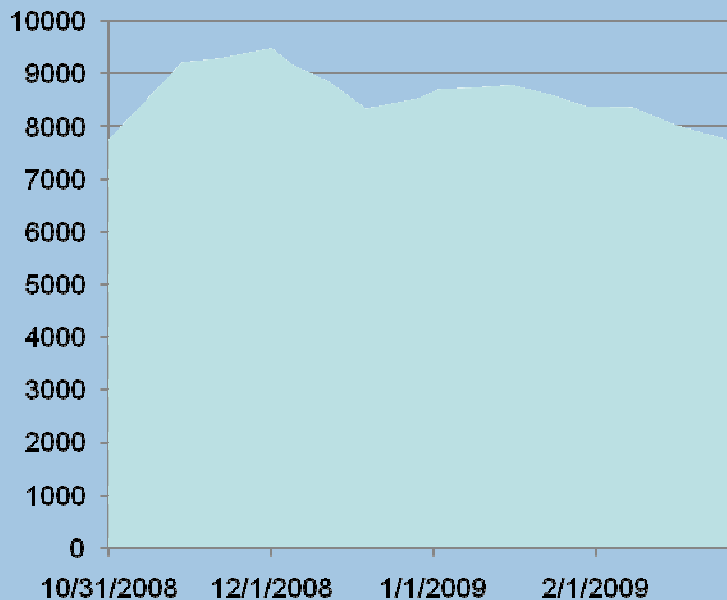
- Raters
 - 38 at program start
 - 94 at present
 - 20 in training status
- Roving rater program
- Centralized sign-up list
 - www.akrebate.com or call 1-877-AK-REBATE
 - Ability to check place on waiting list



Home Energy Rebate PROGRAM

Wait List

Statewide: 7724



Sample Communities

Anchorage-5888

Kodiak-182

Juneau-128

Fairbanks-25

Dillingham-6

Total Dispatched: 8323

Home Energy Rebate PROGRAM

Program Snapshot

Rebates vs. Amount Spent by Sampled Homeowners

AHFC Rebate Amount

\$1,782,664

divided by 300 rebates

= **\$5942** average rebate

Homeowner Paid Costs

\$2,841,226

divided by 300

= **\$9,470** average spent

- \$5942 average rebate

= **\$3528** homeowner investment

Home Energy Rebate PROGRAM

Program Snapshot

Energy & CO2 Impacts from Sampled Homes

HOMES	Before	After	Total	Per Home
Energy Cost	\$1,211,080	\$941,242	\$269,837	\$1355/year
CO2 lbs/year	9,627,880	7,194,342	2,433,538	12,228 lbs/yr
Rating Stars	2.8	4.1		1.21 increase

Total energy saved in BTUs = 17.2 billion

Home Energy Rebate PROGRAM

Average Savings per Home by Fuel Type

Fuel Type	Average Saved	Sampled Homes
Electric	699 kwh	260
Natural Gas	783 ccf	150
#1 Oil	444 gallons	24
#2 Oil	668 gallons	85
Propane	149 gallons	17
Spruce	3 cords	9
Birch	1 cord	11
Coal	2 tons	1



Home Energy Rebate PROGRAM

	Allocated	Encumbered
Anchorage Region	\$26 million	• \$19.8 million
Southcentral Region	\$16 million	• \$12.8 million
Fairbanks Region	\$17 million	• \$17.9 million
Interior Region	\$2 million	• \$0.36 million
Juneau Region	\$4 million	• \$4 million
Southeast Region	\$5 million	• \$3.7 million
Northern Region	\$4 million	• \$0.37 million
Western Region	\$5 million	• \$0.25 million
Southwest Region	\$2 million	• \$0.2 million

Allocations do not include additional \$60 million

Training



Training/Education

Massive training effort underway for:

- Weatherization Service Providers
- Housing Authorities
- Energy Raters
- Contractors
- General Public

Training Progress Report

April-December 2008

Professional Classes: 121

Professional Students: 2615

Consumer Classes: 13

Consumer Students: 464

TOTAL Classes: 134

TOTAL Students: 3079

Training provided in 14 regional communities

- Anchorage
- Barrow
- Bethel
- Cordova
- Fairbanks
- Juneau
- Hydaburg
- Ketchikan
- King Salmon
- Kodiak
- Kotzebue
- Nome
- Palmer/Wasilla
- Seward



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Training Partners

- Alaska Building Science Network
- Alaska Works
- Alaska Craftsman Home Program
- Northern Building Science Group
- UAF Cooperative Extension
- UAS Building Science Program
- Wisdom & Associates
- Cold Climate Housing Research Center
- Denali Commission
- Opportunity Council
- Building Performance Institute



Housing for Alaskans.

Energy-Efficiency Programs



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