

# EPA/Westar Residential Wood Smoke Workshop

Salt Lake City, Utah

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# FNSB Air Quality Control Program Ordinance



- Began drafting 1<sup>st</sup> ordinance Summer 2008
- Finally passed June 11, 2010 after multiple revisions
- Allocated \$1 million from FNSB General Fund
- Ordinance Highlights:
  - Only allowed to install EPA certified/Phase II/certain exempt devices
  - Prohibited fuels – focus on burning dry wood
  - Setback requirements for new OWHH installations
  - Commercial sales requirements
  - Voluntary Air Quality Improvement Program (i.e. SFBD Change Out)
  - Educational Outreach Program

# AQ Improvement Program

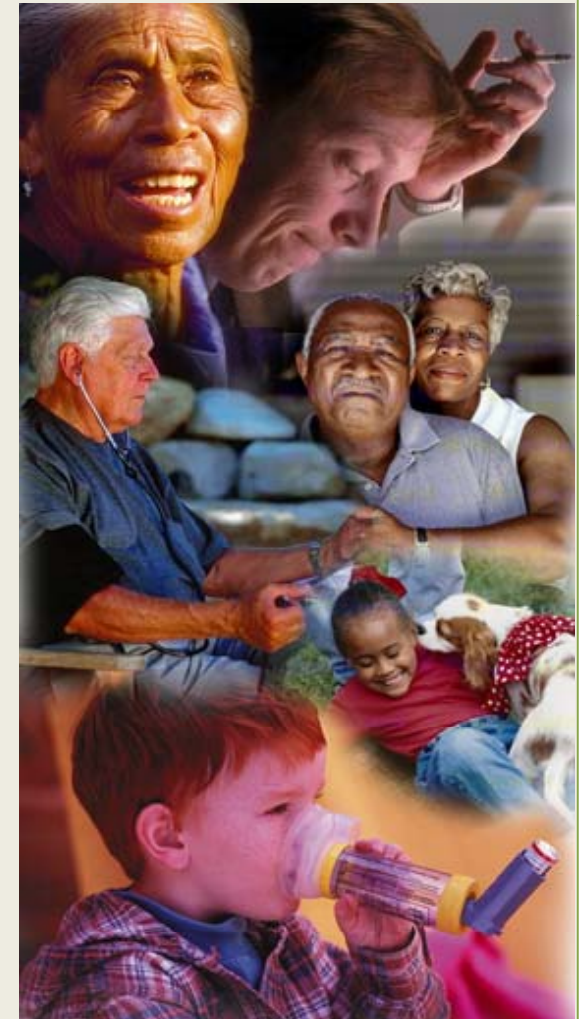


- **Removal Program**
  - OWHH - \$6,000 cash + \$1,500 property tax credit
  - SFBD - \$1,000 cash + \$1,500 property tax credit
- **Replacement Program**
  - OWHH - \$1,000 cash + \$1,500 property tax credit
  - SFBD – up to \$1,500 for new stove + up to \$1,000 for stack
- **Repair Program – up to \$750**
  - Replace Catalytic Converter
  - Replace emissions-reducing component of EPA certified device
  - Repair, modify or extend chimney or smoke stack

# AQ Improvement Program



- Applications are scored based on the following criteria:
  - Location in relation to: areas with large amount of complaints, schools, hospitals, high-density neighborhoods
  - Type of program being applied for (i.e. removal vs replacement)
  - Type of device (i.e. hydronic heater vs woodstove)
- Applicants with the greatest scores receive funding first



# Status of the AQ Improvement Program



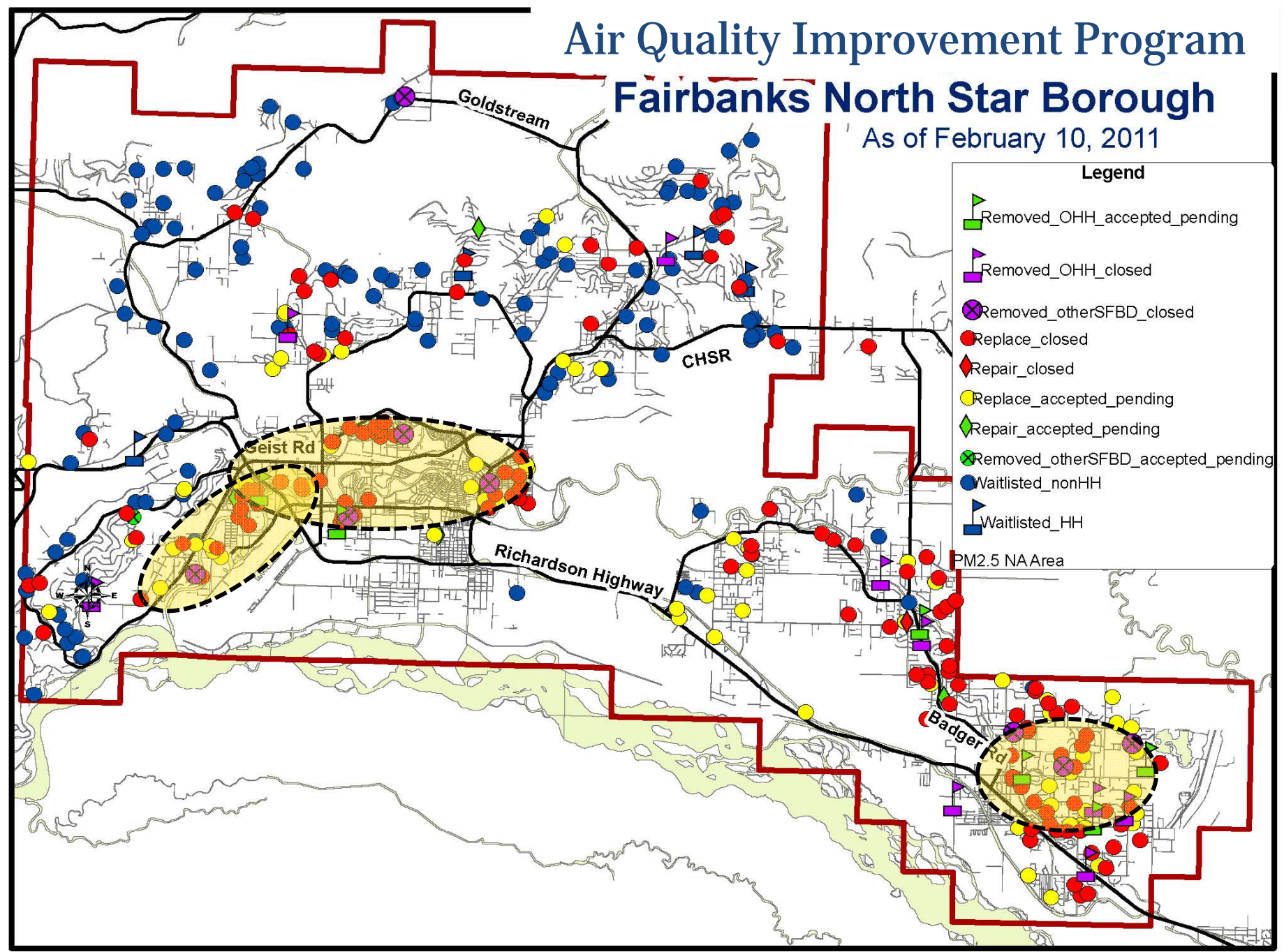
<b>Application Statistics (As of Feb 25, 2011)</b>	
Accepted	224
Still Open	68
Closed	156
Waitlisted	120
Denied	32
Withdrew/Non-Responsive	30
Verifications Pending	24
<b>Total</b>	<b>430</b>

- Began accepting applications July 26, 2010
- Over 50% of the \$1 million has been either spent or obligated
- Still accepting applications
- Reach out to high priority areas

# Air Quality Improvement Program

## Fairbanks North Star Borough

As of February 10, 2011



# Barriers to Success



- **Regulation & Enforcement**
  - Recently passed Citizen's Initiative dictates "Borough shall not ban, prohibit, or fine residents for the use of home heating devices"
  - Will have to rely on AK DEC for help with reinforcement
- **Lack of public awareness and education**
  - Working with AK DEC on Education Outreach Campaign
  - Still controversial topic
- **Additional funding needed**
  - Request to State of Alaska for \$4-5 million
  - Researching Federal grants
  - CMAQ Funds

## Continuation of the AQ Improvement Program



- Fairbanks area needs at least  $7 \mu\text{g}/\text{m}^3$  reduction to bring the design value to the  $\text{PM}_{2.5}$  standard (from  $42 \mu\text{g}/\text{m}^3$  to  $35 \mu\text{g}/\text{m}^3$ )
- A mid-range estimate of AQ benefits is that \$1 million will change out 400 stoves and produce a reduction in  $1.2 \mu\text{g}/\text{m}^3$ .
- Assuming current program changes out 400 stoves, an additional 1,900 stoves (\$4.75 million) would be needed to approach the  $35 \mu\text{g}/\text{m}^3$  standard.

**\*\* NOTE: Design value will change with the inclusion of 2010 data \*\***

**THANK YOU!**