

Our Universe of Wood Burning Devices



- ●1.2 Million residences in our jurisdiction
- Over 600,000 fireplaces and woodstoves in use
 - About 500,000 are fireplaces and 100,000 are wood stoves
- Need to understand what devices are causing the problem
- Certified stoves are not the answer to problem of wood smoke
 - Certified devices are thousands of times dirtier than gas or oil
 - Central heat is really the answer
 - Like the ambiance of a flame? Get a gas appliance!

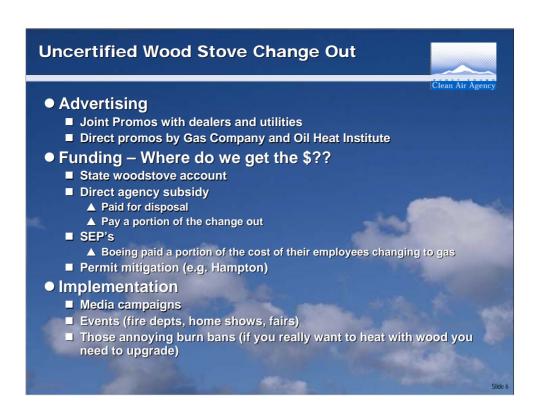
Slide 4

What's Our Program



- Change from wood to a cleaner form of heat
 - Natural gas, propane, oil, pellet) or from uncertified to certified
- Pollution prevention
 - Proper burning practices, weatherization, manufactured logs etc.)
- Burn Bans
 - Stage 1 35 ug/m3 PM_{2.5} No fireplaces or uncertified Stoves
 - Stage 2 60 ug/m3 PM_{2.5} No wood burning
 - Designed to discourage the use of uncertified stoves
- Complaint Response
- Public education about the health effects of wood smoke
- Discourage installation of wood burning appliances in new multiple unit buildings and single family housing developments

Silde 5



Wood Smoke Pollution Prevention



- Proper Burning practices
 - Bad burner school video
 - Hearth Products web site (www.burnclean.org)
- Weatherization
 - Connect people with existing energy conservation programs
- Compressed Wood Logs
 - For open fireplaces this the most realistic option
 - Potential wood smoke emission reduction is over 70%
 - Switching to gas logs would be best, but is relatively expensive
- EPA Web site has some good references
 - www.epa.gov/ttn/chief/ap42/ch01/related/woodstove.pdf

Slide :

What Advice Do We Have



- PATIENCE This is going to take years
- People are in denial Burning is in our genes
- Be ready for the bad press
 - "A Yuppie Vendetta Against Wood-Stove Owners" Seattle Times Oct 1991
- Know what the mix of devices is in your region
 - Wood stove change out isn't the answer if the wood smoke is coming from fireplaces
- New wood stoves cost as much as a new forced air furnace
 - It costs in the neighborhood of \$3,000 to install a new wood or gas stoye
 - The change out program will probably not make it economically attractive for folks to change. They need to be ready to act anyway.
 - We use our burn bans on uncertified devices to encourage them to change
- Manufactured logs are a cost-effective option for open fireplaces
 - There is a huge emission reduction potential for no capital investment
- Focus the message on the wood smoke not the wood burner
 - There is strong political support for wood heating
 - There is no political support for wood smoke

Silue 8

