



Manage Asthma through Air Quality Awareness and EPA's Voluntary Programs

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Burn Wise



- Educational campaign
- emphasizes the importance of burning the right wood, the right way, in the right wood-burning appliance to protect your home, health, and the air we breathe.
 - includes messages about cost savings, improved safety and health benefits.

- <http://www.epa.gov/burnwise/>

LEARN
Before You Burn

1 Burn the right wood, the right way, in the right appliance. Save money and time. Burn only dry, seasoned wood and maintain a hot fire.

2 Keep your home safer. Have a certified technician install and annually service your appliance.

3 Make your home healthier. Upgrade to an efficient, EPA-approved wood-burning appliance.

EPA Burn Wise Program of U.S. EPA HPBA
epa.gov/burnwise

The graphic is a vertical poster with a green header. Below the header, there are three numbered sections. Section 1 shows a stack of wood. Section 2 shows a technician working on a wood-burning appliance. Section 3 shows a wood-burning appliance with a fire inside. At the bottom, there are logos for EPA, Burn Wise, and HPBA, along with the website address.

Indoor airPLUS



- Specifications were developed to recognize new homes equipped with a comprehensive set of IAQ features.
- Includes/requires ENERGY STAR home qualifications

<http://epa.gov/iaplus01/>

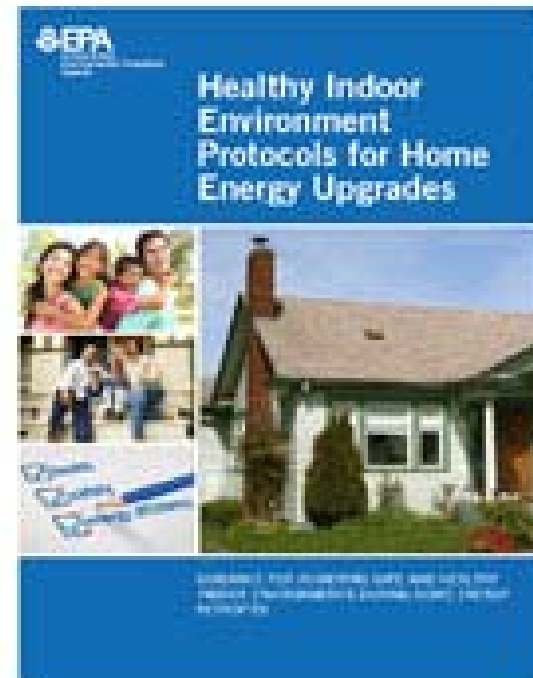


“Retrofit Protocols”



EPA's Healthy Indoor Environment Protocols for Home Energy Upgrades

- provides a set of best practices for improving indoor air quality in conjunction with energy retrofit work in homes (energy upgrades retrofits, or remodeling)



<http://www.epa.gov/iaq/homes/retrofits.html>

Ozone Advance



- intended to preserve or improve the air quality
- encourages ozone attainment and maintenance areas nationwide to take near-term, proactive emission reductions to ensure continued health protection over the long term
- opportunity for coordination among stakeholders to use of local strategies to reduce ground-level ozone

www.epa.gov/ozoneadvance

AQI



- Air Quality Index (AQI) is an index for reporting daily air quality. It tells you how clean or polluted your outdoor air is, and what associated health effects might be a concern for you

- The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air

Air Quality Index (AQI) Values	Levels of Health Concern	Colors
<i>When the AQI is in this range:</i>	<i>...air quality conditions are:</i>	<i>...as symbolized by this color:</i>
0 to 50	Good	Green
51 to 100	Moderate	Yellow
101 to 150	Unhealthy for Sensitive Groups	Orange
151 to 200	Unhealthy	Red
201 to 300	Very Unhealthy	Purple
301 to 500	Hazardous	Maroon

- *Ozone: People with lung disease, children, older adults, and people who are active outdoors are considered sensitive and therefore at greater risk.*

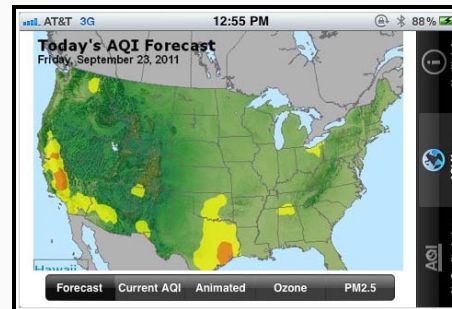
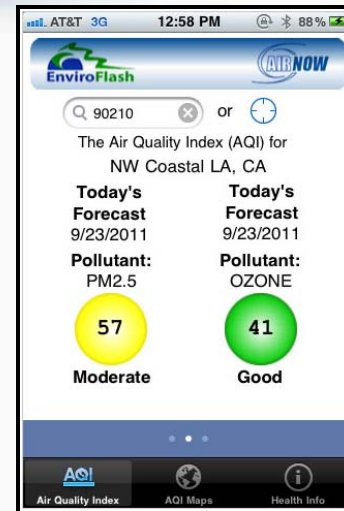
- *Particle pollution: People with heart or lung disease, older adults, and children*

are considered sensitive and therefore at greater risk.

U.S. Environmental Protection Agency



Where can I find it?



"Tomorrow will be a code red air quality day for Center City. The cold winter air, morning traffic, and wood smoke are expected to cause particle pollution to rise to unhealthy levels. People with heart or lung disease, older adults, and children should avoid prolonged or heavy physical activities."

<http://airnow.gov/>

U.S. Environmental Protection Agency

www.enviroflash.info

School Flag Program



- The flag program provides students, teachers and the community with protective health benefits.
- Schools raise a flag each day as a signal of the air quality forecast.
- The flags correspond to the colors of the AQI.
- Teachers and coaches modify outdoor activities when air quality is unhealthy.

School Flag Program

Green means the air quality is good. No health impacts are expected when air quality is in this range.



Yellow means air quality is acceptable. Unusually sensitive people should consider limiting prolonged outdoor exertion.



Orange means air quality is unhealthy for sensitive groups -- people with lung disease such as asthma, children and older adults should limit prolonged outdoor exertion.



Red means air quality is unhealthy. Sensitive groups should avoid prolonged outdoor exertion. Everyone else should limit prolonged outdoor exertion.



Goals



- To raise awareness of the AQI colors and associated health messages
- To provide recommendations on when and how to modify outdoor activities
- Recommendations are based on the forecast for ozone (particle pollution will be added soon)
- Ensure accurate health messages for recommended actions
- Target schools in new nonattainment areas that are forecasting

