

Region 6 Green and Healthy Homes and Buildings Breakout Session



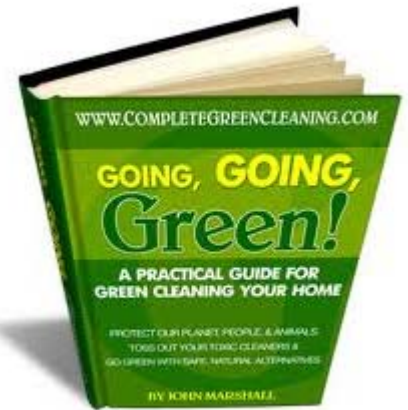
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Indoor Air Quality and You

- Most of us spend much of our time indoors.
- Several sources of air pollution are in homes, schools, and offices.
- Understanding and controlling some of the common pollutants found in homes, schools, and offices may help improve your indoor environment.
- Common Sources of Poor Indoor Environments:
 - **Biological Contaminants**
 - **Chemical Contaminants**
 - **Asthma Triggers**
 - **Radon and Radon Gas**
 - **Lead Based Material**



Everybody IS GOING GREEN



Green Doesn't Necessarily Mean Clean

- Weatherization. (Vice President Joe Biden)
 - Funding through HUD
 - Energy Efficiency.
- Green buildings.
 - Sustainability.
 - Lowering the carbon footprint.
 - Water conservation.
- Green and Healthy Homes and Buildings.
 - Public Health.
 - Indoor Environments
 - Radon
 - Lead Safety



Green and Healthy Homes Initiative

- Green and Healthy Homes Initiative, a new partnership between federal agencies, state and local and philanthropic partners.
- This partnership evolved out of a series of discussions in 2009 between philanthropy and senior Administration officials.
- Lead players in early development of the partnership included the Annie E. Casey Foundation, the Coalition to End Childhood Lead Poisoning, EPA, HUD and CDC.
- The Coalition has received contract funding from HUD to manage this national effort .
- How can we make sure that Healthy Indoor Environmental Guidelines are incorporated in the various weatherization and green motivated activities?
 - IED Prepared Guidance.
 - Incorporate existing IAQ programs with existing energy efficiency programs.

IAQ Guidelines in Structures

Seven Healthy Homes Principles

- **Dry:** Reducing moisture minimizes mold growth and makes it difficult for pests to thrive. Living in moist conditions is associated with increased risk of Asthma.
- **Clean:** Dust mites can cause allergic reactions triggering asthma attacks. Clutter and debris make it difficult to remove dust mites and other allergens in dust.
- **Well Ventilated:** Ventilation moves air to help reduce excess humidity and airborne contaminants. Spot ventilation exhaust humidity and contaminants from specific sources minimizing mold.
- **Combustion By-Product Free:** Combustion products such as carbon monoxide have adverse health consequences.
- **Pest Free:** Pests' droppings can trigger allergic reactions which may exacerbate an asthma attack.
- **Toxic Chemical Free:** Containers storing cleaning compounds, pesticides, paints and solvents can release toxics in the air and exacerbate asthma.
- **Comfortable:** Uncomfortable homes can spur residents to take actions that make a home unhealthy.

Healthy Homes/Buildings

- **IAQ in Homes/Residence**

- Green and Healthy Homes Initiative
 (push for community focused areas)
- Indoor airPlus
- Radon-Resistant New Construction.

<http://www.epa.gov/indoorairplus/index.html>

<http://www.epa.gov/radon/rnrc/index.html>

- **IAQ in Buildings**

- Green and Healthy Building Initiative (ISBI) (New).
- Indoor Air Quality Guide (New)
- IAQ Building Education and Assessment Model (I-BEAM)
- Building Assessment, Survey and Evaluation Study (BASE)

<http://www.ashrae.org/publications/page/1936>

<http://www.epa.gov/iaq/largebldgs/i-beam/index.html>

<http://www.epa.gov/iaq/base/index.html>



EPA's Indoor airPLUS Program

- Mold and Moisture Control.
- Effective Heating, Ventilating and Air-conditioning Systems.
- Pest Barriers.
- Healthier Building materials.
- Safe Combustion
- Radon Resistant Construction.



Energy Star Program

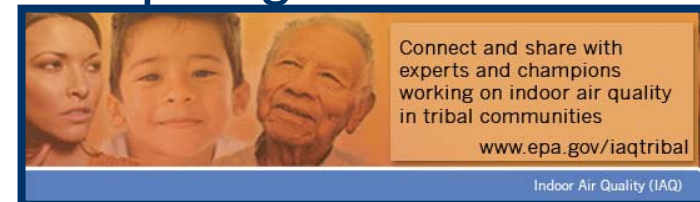
- Voluntary government partnership *Goal: reduce carbon dioxide emissions*
- Introduced by EPA in 1992 to enable companies to improve in energy efficiency
- The national symbol of energy efficiency and environmental protection Awareness exceeds 70% of U.S. households
- A brand owned and managed solely by the government.
- Focused on improving energy efficiency of: Products
 - Homes.
 - Plants & buildings.
 - For industrial businesses, EPA helps manufacturers improve strategic energy management.



Tribal Champions



- **Spotlight on Tribal Champions**
- **The Cowlitz Weatherization Program-** As the leader of Washington's first low-income Native American Weatherization Assistance Program, **Jerry Hause** is dedicated to improving the quality of life for Cowlitz Tribe members. His mission is clear; he wishes to close the gap between weatherization and indoor air quality through outreach, mentorship and partnership-building. Through his work, Jerry has brought about uplifting results for his tribal members.
- http://www.epa.gov/iaqtribal/cowlitz_spotlight.html



Conclusion – Let's Make Green Clean

- Asthma Community Network
<http://www.asthmacommunitynetwork.org/>
- IAQ Tribal Partners Program
<http://www.epa.gov/iaqtribal/index.html>
- 2011 Asthma Forum
<http://www.epa.gov/asthma/forum.html>
- Green and Healthy Homes Initiative
(push for community focused areas)
<http://www.healthhomes.gov>
- Indoor airPlus
<http://www.epa.gov/indoorairplus/index.html>
- We are all in this together
- Please Contact Us



Contacts Us

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