



# Affordable Healthy Housing: Living in a Material World

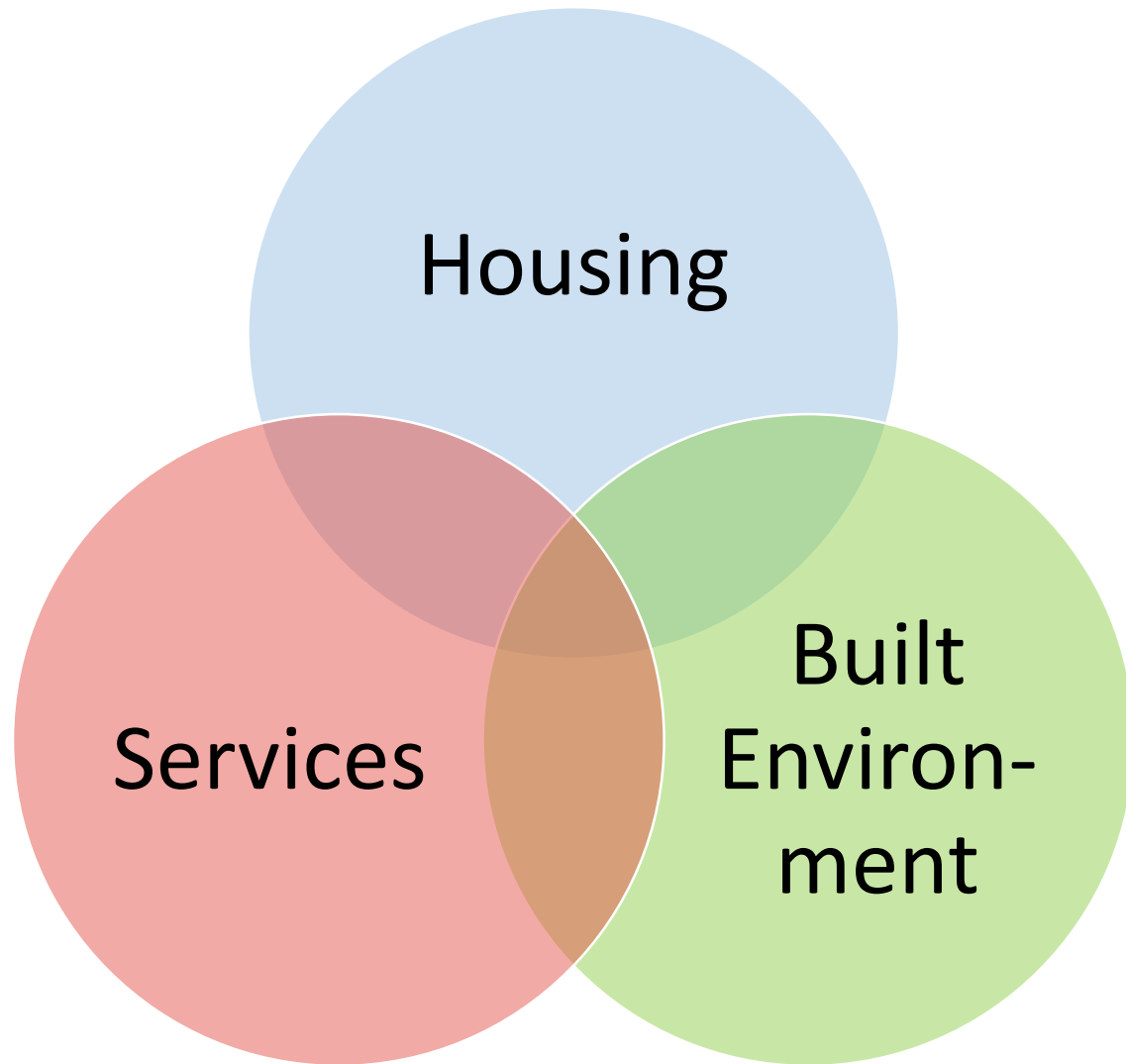
Rebecca Schaaf, Senior Vice President, Energy  
NH&RA Asset Management Conference, June 2019



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# Health and Housing



- Active Design
- No Smoking
- Safety & Security
- Water quality
- Dust & Pests
- Moisture
- Thermal Health
- Air Quality
- Ventilation
- Lighting & Views
- Noise
- Water Quality
- Toxics & Materials





# Health Impacts from Chemicals



**Asthmagens**

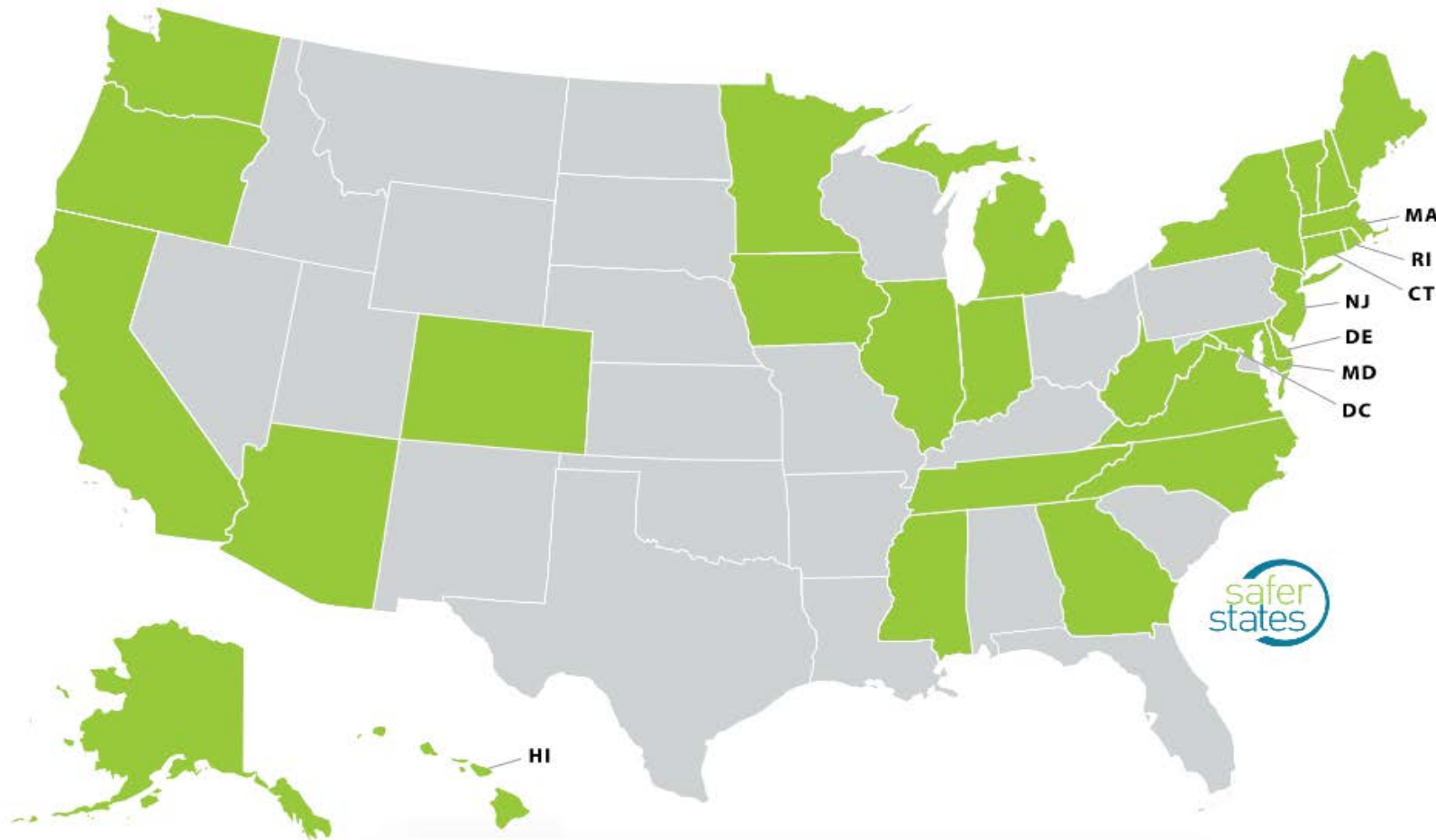
**Carcinogens/  
Mutagens**

**Persistent  
Bioaccumulative  
and Toxic  
Substances (PBTs)**

**Developmental  
and Reproductive  
Toxicants/  
Endocrine  
Disruptors**

# Making the Invisible Visible: Regulation

States expected to consider chemical legislation in 2019



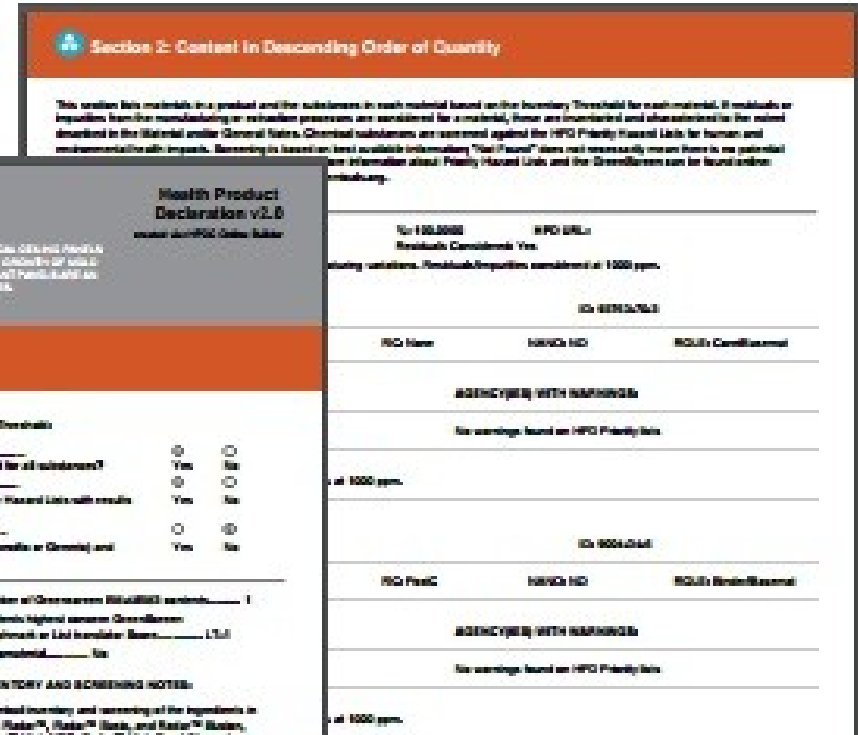
# Making the Invisible Visible: Transparency

## Health Product Declarations

The Health Product Declaration™ (HPD) provides a standardized way of reporting the material contents of building products, and the health effects associated with these materials.

“An ingredient list for the built environment”

Incentivized under LEED v4, “Building Product Disclosure and Optimization: Material Ingredients.”



# Thank You!

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