The background features abstract geometric shapes in various shades of blue and teal, primarily on the left and right sides, framing a central white area. The shapes are layered and semi-transparent, creating a modern, architectural feel.

# Housing Washington Jeopardy

# Green Building IS Easy!

| Equity Deserves a Fair Share | How Much Is THAT Worth? | Greenwashing 101 | Don't Foul My Clean Air! |
|------------------------------|-------------------------|------------------|--------------------------|
| <u>100</u>                   | <u>100</u>              | <u>100</u>       | <u>100</u>               |
| <u>200</u>                   | <u>200</u>              | <u>200</u>       | <u>200</u>               |
| <u>300</u>                   | <u>300</u>              | <u>300</u>       | <u>300</u>               |
| <u>400</u>                   | <u>400</u>              | <u>400</u>       | <u>400</u>               |
| <u>500</u>                   | <u>500</u>              | <u>500</u>       | <u>500</u>               |

# Equity Deserves a Fair Share

Which neighborhoods experienced longer commute times due to loss of jobs in or near their neighborhoods?

- A. 61% of folks living in high-poverty census-tract areas
- B. 55% of majority-minority urban neighborhoods
- C. 17% of high-poverty suburban residents
- D. All of the above

# DAILY DOUBLE

Equity Deserves a Fair Share - 200

# Equity Deserves a Fair Share

What ways can we design our housing to be culturally sensitive, providing an atmosphere that fosters health and well-being and allows residents to practice their traditions?

- A. Provide adequate ventilation in the kitchens to allow a variety of menu preparations
- B. Provide adaptable and flexible spaces for many different cultures
- C. Provide nurturing spaces that respond to residents' individual spiritual needs
- D. All of the above

# Equity Deserves a Fair Share

How many Seattle households pay more than half of their income on **ONLY** housing?

\*there are approx. 300,000 households in Seattle\*

A. 32,000

B. 45,000

C. 59,000

D. 72,000

Bonus: 26,250 households in the 0-30% AMI pay more than half of their income on housing

AND 15-20% of rental and homeowner households are severely cost burdened, spending more than half of their income on housing

# Equity Deserves a Fair Share

Which Seattle neighborhood experienced the biggest decrease in poverty levels from 1970 to now, and why does this matter?

A. Ballard - from 16% to 9%

B. Capitol Hill - from 19% to 12%

C. Belltown - from 29% to 12%

# Equity Deserves a Fair Share

Based on the Sustainable Communities Initiative, what are the benefits of Community Engagement?

- Legitimacy and increased support for plans and projects
- Improved Community and Government relations
- Deeper understanding of the issues
- Increase in Community Capacity
- Reduced long-term costs
- Democracy in Action

# How Much Is THAT Worth?

Air infiltration can be attributed for up to 25% of heating loads in existing buildings, which techniques are most effective for air sealing the envelope?

- A. Sealing plumbing penetrations
- B. Sealing window and door penetrations
- C. Caulking around baseboards
- D. Filling gaps around bath/whole house fans and ductwork
- E. All of the above

# How Much Is THAT Worth?

How many gallons of water are saved every year by using a dishwasher instead of washing dishes by hand?

- A. 1,000
- B. 5,000
- C. 9,000
- D. 12,000



# How Much Is THAT Worth?

How much energy is saved in a typical residential apartment by using LED's instead of fluorescents?



A. 438 KWh/yr

C. 263 Kwh/yr

B. 762 KWh/yr have a Carbon Emission Savings of 600 pounds/year (451 vs 1051)

D. 55 KWh/yr

# How Much Is THAT Worth?

How much water is saved by using community laundry rooms instead of individual unit laundries (per week)?

- A. 102 gallons
- B. 158 gallons
- C. 175 gallons
- D. 181 gallons



# How Much Is THAT Worth?

How much energy is saved by using community laundry rooms instead of individual unit laundries?

- A. 298 KWh/yr
- B. 367 KWh/yr
- C. 429 KWh/yr
- D. 463 KWh/yr



# Greenwashing 101

Name that type of Greenwashing

- A. Green by Association
- B. Worshiping False Labels
- C. Hidden Trade-Off
- D. Irrelevance



# Greenwashing 101

## What should you be wary of?

- Many air fresheners contain phthalates
- Air fresheners do not solve real air quality problems
- Source control and ventilation should be prioritized



# Greenwashing 101

Name two falsities from the following product marketing

Sub-meters also can help organizations achieve other LEED credits, including:

EAp1 Fundamental Commissioning

EAp2 Minimum Energy Performance

EAc1 Optimized Energy Performance

EAc3 Enhanced Commissioning.

The benefits of sub-metering do not end there. **The products are electronic and have no moving parts, so technicians have nothing to maintain.** Today's products also are manufactured for reliable operation in demanding environments.

# Greenwashing 101

## Which are Green Cleaning Products?

A



B



C



D



# Greenwashing 101

What is currently the best way to defeat Greenwashing?

- A. Ingredient lists
- B. Third Party Labels
- C. Product Cut Sheets
- D. Manufacturer Reputation

# Don't Foul My Air!

## 3 Truths and a Lie: Which is False & Why?

- A. CARB2 is a stringent emission standard for formaldehyde emissions from composite wood products, including hardwood plywood, particle board, and medium density fiberboard
- B. Interior composite wood products used in Evergreen projects must have no added urea formaldehyde
- C. After initial off-gassing, formaldehyde does not pose significant health threats
- D. Interior composite wood products used in Enterprise projects must be CARB2 compliant, or all exposed edges must be sealed

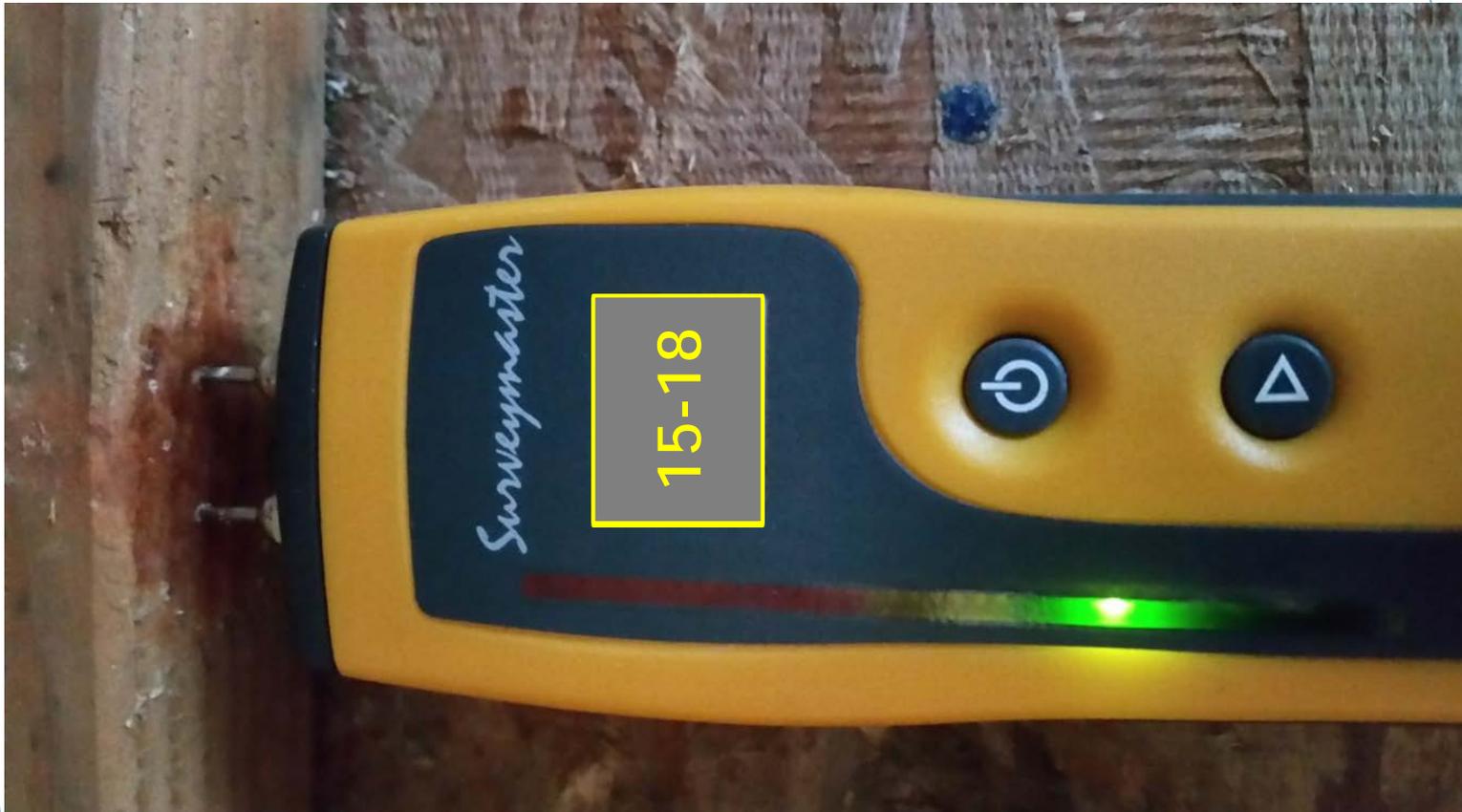
# Don't Foul My Air!

What is missing here & why does it matter?



# Don't Foul My Air!

What should this moisture meter read prior to insulation and drywall?



# DAILY DOUBLE

Don't Foul My Air! - 400

# Don't Foul My Air!

How can you prevent this from happening? Bonus: Why should you care?



Good indoor air quality  
during construction

# Don't Foul My Air!

Congrats- your project earned a green certification!  
But wait, what's on that cart?

Bonus: What can you do about it?

Toxic cleaning materials!



# Housing Washington 2015 Evaluations



## Share Your Feedback

Complete a paper evaluation.

**OR**

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