



Welcome!



- Please be sure to turn up the volume on your computer speakers
- If you have questions, please type them into the chat box at the bottom of your screen and we will answer them during or after the presentation
- The presentation will be recorded and archived on our web site at nsmokefreehousing.org/webinar
- Print a pdf of today's presentations



Today's Speakers





Brittany McFadden Program Director, Live Smoke Free



Assistant Program Director, Live Smoke Free

Director of Research, Center for Energy and Environment



Live Smoke Free



- Program of the Association for Nonsmokers—Minnesota
 Working on smoke-free housing since late 1990's

 - Working oil sinckerier indusing since late 1990s
 Three full-time staff dedicated to project
 Assisted hundreds of property managers in policy adoption, including public housing authorities; private owners; suburban, urban, and rural properties
- Recipient of MN Mentoring Supplement to provide technical assistance to Communities Putting Prevention to Work (CPPW)
- Partnering with the Public Health Law Center
- Made possible by funding from the U.S. Department of Health and Human Services. Sponsored by the Minnesota Department of Health







Technical Assistance Team





Brittany McFadden Program Director, Live Smoke Free



Warren Ortland Staff Attorney, Public Health Law Center



Assistant Program Director, Live Smoke Free



Technical Assistance Scope of Work



- · Webinar series on the stages of developing a smokefree housing program
- Development of a comprehensive "how-to" training manual for smoke-free housing advocates
- · Individual consultations, including site visits, on strategy development, legal issues, and materials
- · Coordination of a smoke-free housing training on November 14, 2011, in conjunction with the CPPW "Making it Better" conference in Minneapolis





Webinar Series



Based on the Smoke-Free Multi-Unit Housing Program Continuum

- · The Case for Smoke-Free Housing
- · Getting to Know the Multi-Housing Industry October 27th
- Building Your Smoke-Free Housing Program November 10th
- Understanding Legal Issues December 1st
- Strategies to Reach the Housing Industry December 15th
- Working with Property Owners/Managers to Adopt a Smoke-Free Policy January 12th
- Providing Cessation in Smoke-Free Buildings January 26th
- Working with Renters Exposed to Secondhand Smoke February 9th
- Program Sustainability February 23rd

Learn more and register at www.mnsmokefreehousing.org/cppw



The Case for Smoke-Free Housing



Topics Covered Today:

- The landscape of smoke-free housing
- The health dangers of secondhand smoke
- The cost savings of going smoke free
- The risk of smoking-related fires
- The market demand for smoke-free buildings
- · How smoke drifts from unit-to-unit

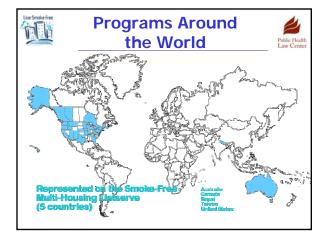




Smoke-Free Housing is Happening Globally



- Hundreds of members of an online global coalition and listserve
 - To join, contact Jim Bergman at jbergman@tcsg.org
- Smoke-free multi-unit housing (MUH) buildings in the US:
 - Over 230 housing authorities
 - Thousands of market-rate buildings
- Many states/countries/provinces/regions have at least one smoke-free housing program







Rental Housing in the U.S.



- 34% of U.S. households are renter-occupied - Of that, 61% are in MUH
- In the 10 largest U.S. cities, between 40%-70% of all housing units are occupied by renters
- 53,752,000 U.S. residents live in rented MUH
- 42% of all people age <30 live in rental housing
- 19% of rental housing occupants are 65+ (U.S. Census, 2010)



Priority Populations



- Apartment residents have lower incomes
- Avg. income of U.S. apartment households: \$36,000 (2009 U.S. Census)
- Avg. income of all U.S. households: \$65,000 (2009 U.S. Census)
- · Almost 16 million of the 36 million rental households are minority households (45%) (America's Rental Housing, Harvard, 2006)







The Dangers of Secondhand Smoke



Secondhand Smoke is Deadly



- Group A carcinogen -- a substance known to cause cancer in humans
- The 2006 Surgeon General's Report concluded that there is no risk-free level of secondhand smoke
- Secondhand smoke kills more than 600,000 people worldwide each year, including 165,000 children (Campaign for Toharco Free Kirls)





Health Effects



- Secondhand smoke cause or worsen illnesses such as bronchitis, pneumonia, ear infections, and asthma
- Nonsmokers who are exposed to secondhand smoke increase their risk of developing heart disease by 25-30% and

disease by 25-30% and their risk of developing lung cancer by 20-30%

 Children are especially vulnerable because their bodies are developing

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(Surgeon General, 2006)



Exposure in the Home



 Almost 60% of U.S. children aged 3-11 years—or almost 22 million children—are exposed to secondhand smoke (Surgeon General, 2006)



 Exposure tends to be high for persons with low incomes:
 60.5% of persons living below the poverty level in the US were exposed to secondhand smoke in 2007–2008

Centers for Disease Control & Prevention



Relaying the Message



Why is secondhand smoke exposure important to property managers?

- Provide a safe, healthy environment for all residents and staff
- Regulations are in place to protect residents from other toxins
- · Unhealthy environments are a social justice issue
- However, this may not be the highest priority for some managers





Reduce Cleaning Costs



- Residue and stains on walls, curtains, cabinets, blinds, appliances, and fixtures
- · Odor in carpets, curtains, and walls
- Burn damage to tiles, carpets, curtains, countertops, bathtubs
- The cost of cleaning a unit that has been smoked in is often 2-3 times more than a smoke-free unit





Turnover Costs Add Up



	Non- Smoking	Light Smoking	Heavy Smoking
General Cleaning	\$240	\$500	\$720
Paint	\$170	\$225	\$480
Flooring	\$50	\$950	\$1,425
Appliances	\$60	\$75	\$490
Bathroom	\$40	\$60	\$400
Total	\$560	\$1,810	\$3,515

Data reflects surveys from housing authorities and subsidized housing facilities in New England. Collected & reported by Smoke-Free Housing New England, 2009. This information is courtesy of the National Center of Healthy Housing.





Thirdhand Smoke



- · Chemicals that absorb into surfaces eventually break down and desorb back into the air
- · Residue can continue to damage property, even after the smoker moves out, and can be picked up when people touch surfaces





Smoking is a Fire Hazard



- The fatality rate of cigarette-related fires is 8x greater than other fires; the injury rate is 3x greater
- Almost 95% of cigarette-related fires occur outside of a trash can
- · Cigarette-related fires are usually started in combination with a careless act
- · Damage is done by the flames, the smoke, and the water from sprinklers

(Interview with Minneapolis Fire Department, 2010)





Relaying the Message



Why is property damage important to property managers?

- Very costly to continually clean and replace carpets, fixtures, and appliances
- Fires are not only costly but deadly
- Some insurance costs may be saved by adopting a smoke-free policy
- Cost savings are often the biggest reason managers adopt smoke-free policies





Typical Renter Concerns Regarding Smoke





- Live Smoke Free regularly receives calls from concerned renters
 - Frustrated by lack of assistance from management
 - Renters in senior or subsidized housing are of particular concern
- As more public places become smoke free, renters demand that their own living space be so as well



Renters Want Smoke-Free Housing



There have been many local surveys:

- Sault Tribe (MI) survey of housing authority residents in December, 2008 found 70% of respondents preferred to live in smoke-free housing. Forty-four percent of residents smoke or live with a smoker.
- Healthy Androscoggin in Auburn, Maine surveyed 850 tenants; 76% would choose to live in a smoke-free apartment complex

(Smoke-Free Environments Law Project in Michigan)



Renters Want Smoke-Free Housing



There have been several statewide/regional surveys:

- According to the New York Adult Tobacco Survey, a majority of respondents in MUH (55.6%) support a policy that bans smoking in all areas of their building, including residential units; support was significantly higher among ethnic minorities and individuals who reside with children. (Roswell Park Cancer Institute, 2010)
- In Oregon, 70% of renters (and 40% of smokers) say they would choose a smoke-free rental, "other things being equal." (Campbell DeLong Resources, Inc., 2008)



Minnesota Research



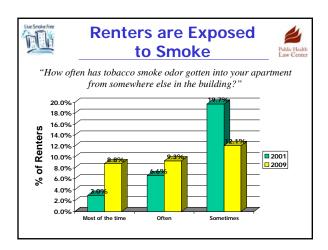
2000-2004 Statewide

2009 Twin Cities Metro

- 1. Survey of renters
- 1. Survey of renters
- 2. Survey of owners
- Goal: trend as much as possible
- 3. Legal advisory committee

Testing of air movement

(full reports available on www.mnsmokefreehousing.org)









Relaying the Message



Why is market demand important to property managers?

- Secondhand smoke exposure in apartment buildings is occurring and is a problem
- The risk of losing renters is small
- There is a likelihood of attracting more renters and retaining current renters







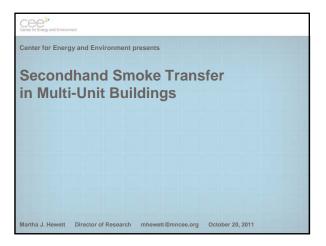
Webinar Series



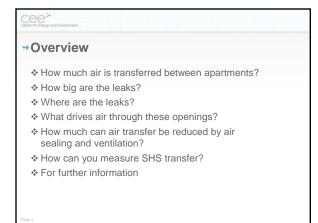
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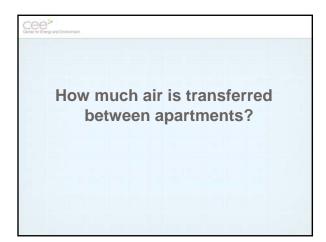
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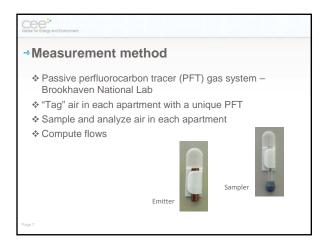


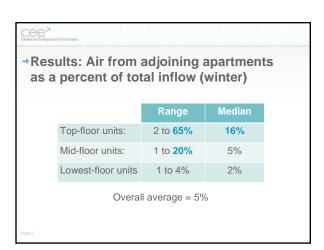






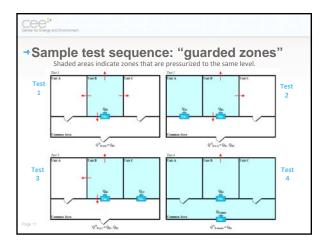


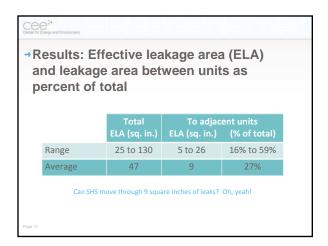




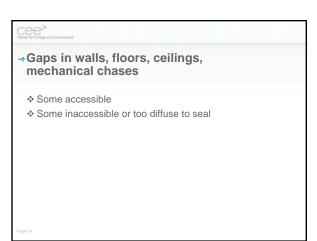
How big are the leaks	
between apartments?	

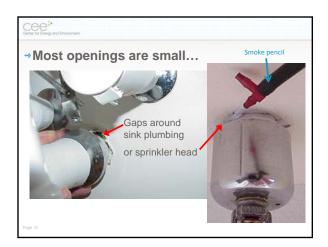




















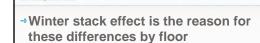






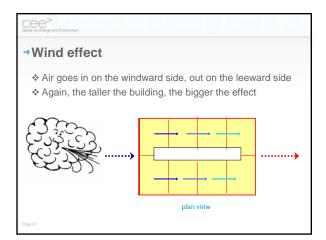


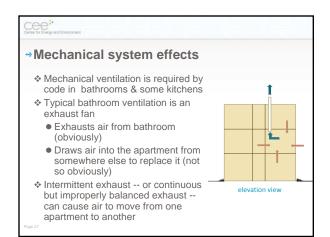




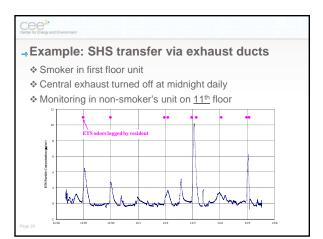
	Range	Median
Top-floor units:	2 to 65%	16%
Mid-floor units:	1 to 20%	5%
Lowest-floor units	1 to 4%	2%

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What if you open a window? If the smoker is on a lower floor and it is winter, opening a window tends to increase air flow and SHS transfer to upstairs neighbors If the nonsmoker is on an upper floor and it is winter, opening a window tends to increase air flow and SHS transfer from downstairs neighbor



How much can transfer be reduced by air-sealing and ventilation?



→Treatments in 6 test buildings

- Sealed leaks to extent practical: 3 to 12 labor hours/apartment
- ❖ Installed effective (and quiet) exhaust fans
- Converted intermittent exhaust to continuous exhaust
- Balanced exhaust air flows, to minimize mechanical driving force between apartments

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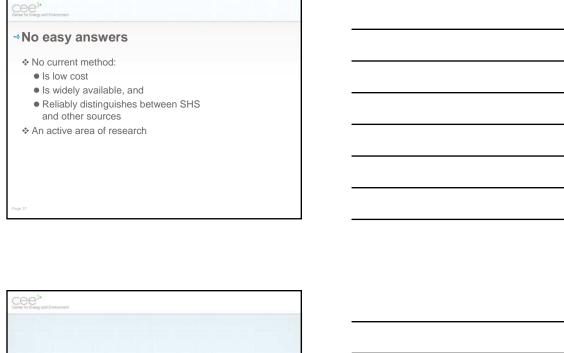


Direct effects of treatments

- Decreased fraction of air coming from other apartments for two-thirds of the apartments
- Increased fraction of air coming from other apartments for some lower level apartments
 - Caused by balancing of exhaust flows
- ❖ Increased average ventilation rate by 60%
- Substantially reduced variation in ventilation between units

age 33





For further information on CEE research

http://bit.ly/ceesecondhandsmoke



Training for Public Health Professionals Law Center



- · Day-long training covering entire process of working on smoke-free MUH featuring national experts
- November 14, 2011, 8:30 am 4:30 pm
- Held in Minneapolis, MN in conjunction with the CPPW
 "Making it Better" conference
- Registration is FREE and travel scholarships available
- Register at <u>www.makingitbetterconference.org</u>



Contact Information



Live Smoke Free

Carissa Larsen Assistant Program Director carissa@ansrmn.org 651-646-3005

Brittany McFadden Program Director brittany@ansrmn.org 651-646-3005

www.mnsmokefreehousing.org

Public Health Law Center

Warren Ortland Staff Attorney warren.ortland@wmitchell.edu 651-290-7539

Center for Energy and Environment

Martha Hewett Director of Research mhewett@mncee.org 612-335-5865

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