



Electronic Smoking Devices

Ordinance 2015: Amend Municipal Code to Include
"Electronic Smoking Devices"

Recommendation

- To amend chapter 12 of the Commerce City revised municipal code to prohibit the use of electronic smoking devices in city buildings.

Primary Reasons

- Perception & enforcement of existing smoking prohibition
- Promotes the act of smoking
- Electronic devices contain nicotine
- Electronic devices have harmful chemicals/elements in exhaled vapor

Perception & Enforcement

- The Parks Recreation & Golf Department supports the idea of healthy and active lifestyles
- Electronic vaporizers model smoking behavior to youth
- Difficult to enforce rules prohibiting cigarettes, when electronic cigarettes look very similar
- No way to determine if the device contains marijuana

Promotes the Act of Smoking

- It is well documented that the act of vaporizing mimics the act of smoking.¹
- Creates confusion for youth, traditional cigarette smokers, and law enforcement
 - Youth believe that smoking is acceptable again
 - Traditional cigarette smokers may inadvertently violate the ordinance because they witness vaping
 - Increase the burden on law enforcement to differentiate

¹Legacy Foundation, *E-cigarette policy: the FDA should promptly exercise regulatory authority over ecigarettes* (Jan. 2014).

Electronic Devices Contain Nicotine

- Nicotine affects the brain in many ways
- Addictive nature – activates reward pathways
- Of those who attempt self-quitting, more than 85% relapse within a week.²

²National Institute on Drug Abuse. *NIDA Research Report: Tobacco Addiction*. NIH Pub. No. 09-4342. Bethesda, MD: NIDA, NIH, DHHS. Printed July 1998. Revised July 2012. Retrieved December 2012.

Harmful Chemicals/Elements in Exhaled Vapor

- At least 10 chemicals identified in e-cigarette aerosol are on California's Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) list of carcinogens and reproductive toxins.^{3,4}
- These include: Acetaldehyde, Benzene, Cadmium, Formaldehyde, Isoprene, Lead, Nickel, Nicotine, N-Nitrosornicotine, Toluene.

³Goniewicz, M.L.; Knysak, J.; Gawron et al., "*Levels of selected carcinogens and toxicants in vapour from electronic cigarettes*," Tobacco Control [Epub ahead of print], March 6, 2013.

⁴Williams M, Villarreal A, Bozhilov K, Lin S, Talbot P (2013). *Metal and Silicate Particles Including Nanoparticles Are Present in Electronic Cigarette Cartomizer Fluid and Aerosol*. PLoS ONE 8(3): e57987. doi:10.1371/journal.pone.0057987.

Harmful Chemicals/Elements in Exhaled Vapor

- Another study reported exhaled e-cigarette aerosol contained propylene glycol, glycerol, flavorings, and nicotine, acetone, ...propanal, diacetyl, and triacetone.⁵

⁵Schripp, T.; Markewitz, D.; Uhde, E.; Salthammer, T., "*Does e-cigarette consumption cause passive vaping?*," Indoor Air 23(1): 25-31, February 2013

Other Key Points

- Youth are being targeted by manufacturers
 - Many contain flavors: bubble gum, chocolate, etc.
 - May lead kids to try other tobacco products
- Many different companies manufacture e-cigarettes, with limited regulations; documented poor manufacturing practices⁶
- At risk for ADA violations

⁶ <http://www.fda.gov/forconsumers/consumerupdates/ucm225210.htm>

Other Jurisdictions Restricting Use

- Large cities: New York,⁷ Chicago,⁸ and Los Angeles.⁹
- As of January 2, 2014, 108 municipalities and three states include e-cigarettes as products that are prohibited from use in smoke-free environments.¹⁰

⁷<http://www.usatoday.com/story/news/usnow/2013/12/20/e-cigarette-bans-considered-across-the-country/4143993/>. Retrieved May 13, 2014.

⁸http://articles.chicagotribune.com/2014-04-29/news/chi-chicago-indoor-ecigarette-smoking-ban-takes-effect-today-20140428_1_effect-today-indoor-public-places-ban. Retrieved May 13, 2014.

⁹<http://articles.latimes.com/2014/mar/04/local/la-me-0305-e-cigarettes-20140305>

¹⁰<http://no-smoke.org/pdf/ecigarette-secondhand-aerosol.pdf>

Conclusion

- Protect the public health, safety and welfare of City residents and visitors by protecting them from the exposure to secondhand byproducts of electronic vaporizers
- Promote a family-friendly atmosphere
- Support the value of healthy and active lifestyles

Next Steps

Implementation Strategy:

- To amend chapter 12 of the Commerce City revised municipal code to prohibit the use of electronic smoking devices in city buildings
- Add signage to all city building entries, indicating that electronic vaporizers are prohibited.

Ideas for Signage



Questions

- Any questions?