

Energy Webinar #3**Human Exposure Research in a Cyclical Industry Part 3:
Noise from Unconventional Oil and Natural Gas Development**

October 28, 2021 from 11:30am to 12:45 pm ET

Register this webinar: https://us06web.zoom.us/webinar/register/WN_tjr5saviQISIZvR65VZORA

Background. Research on potential exposures and health effects associated with unconventional oil and gas development (UOGD) should be grounded in a good understanding of not only exposure assessment and epidemiology, but also the UOGD operations themselves. Study designs would benefit by researchers knowing about specific UOGD operations on and off of the well pad, how they might result in community exposures, and how they vary across space and over time as do, by extension, the exposures associated with them.

Overview of the Webinar. The webinar will explore UOGD processes that might result in noise and how they are managed, state-of-the-practice principles for monitoring noise, and efforts to assess community exposures to noise from UOGD. All speakers will address the question of research needs to better understand and address noise exposures. The primary goal is to inform policy makers, communities, and others making health-based decisions about UOGD and academics who must factor this information into their study designs to ensure the utility of their human exposure research.

This webinar is part of an HEI-Energy Webinar Series, *Energy Production and Human Health: Surveying Current Knowledge about Exposures from Unconventional Oil and Natural Gas Development*. This series of webinars provides impartial information about human exposure and health effects associated with UOGD with two primary objectives:

1. Inform policymakers, communities, and others making health-based decisions about UOGD.
2. Raise the level of understanding of UOGD operations and, in so doing, help to ensure the utility and relevance of future human exposure and health research.

Webinar Agenda		
Time (Eastern)	Topic	Speaker
11:30 -11:35 AM	Welcome and Introduction	Anna Rosofsky, HEI Energy
11:35 -11:50 AM	Noise Emissions in Unconventional Energy Development	Justin Caskey, Patching Associates Acoustical Engineering
11:50 AM - 12:05 PM	Environmental Noise Exposure Assessment	Tor Oiamo, Ryerson University
12:05 -12:20 PM	Community Noise Exposure Near Oil and Natural Gas Well Sites	Lisa McKenzie, University of Colorado
12:20 -12:45 PM	Panel Discussion with Q&A	All Speakers; moderated by HEI Energy