

Webinar for Potential Applicants to RFQ E23-1 & E23-2

Health Effects Institute Energy
October 11, 2023

Welcome!
The webinar will begin shortly.

Logistics

- All attendees are muted with no audio for the duration of the webinar.
- You **can turn on closed captioning** for the event at the bottom of your screen to the *right* of the Q&A button.
- **Submit questions via the Q&A function.** You can also “upvote” questions from other participants that match your own question.
- The **webinar Q&A summary will be posted** to our website.
- The webinar will be **recorded for internal note-taking purposes only** and will be deleted soon after.
- If you experience any logistical difficulties, please send a message to the hosts through the Q&A function or email Mr. Quoc Pham at qpham@healtheffects.org

Agenda

- Welcome and Introduction to HEI Energy
- Overview of the RFQs and Expectations for Applications
- Question and Answer Session

How HEI Energy Works

to Provide Impartial Science for Decision Making and Public Understanding



HEI Energy's ongoing program of research on community exposures associated with unconventional oil and gas development (UOGD)

In overseeing this [research](#) and monitoring the [growing body of related literature](#), the Energy Research Committee noted two related productive lines of inquiry that are described in RFQ E23-1 and E23-2

Air Quality and Noise

Tracking Community Exposures and Releases (TRACER) Collaboration





Jeffrey Collett
Colorado State

Lea Hildebrandt Ruiz
Univ of TX-Austin

Meredith Franklin
Univ of Toronto

Study Duration: 2022-2024

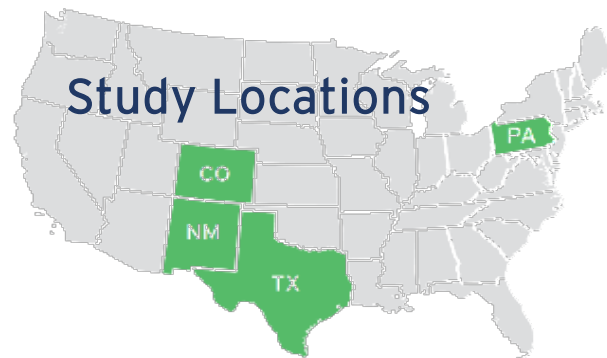
Water Quality



Jennifer Baka
Penn State

Joseph Ryan
Univ of Colorado

Study Duration: 2022-2023



RFQ E23-1: Trends in Air Quality and Community Exposures Associated with UOGD

OVERALL OBJECTIVE

- Comprehensively analyze air quality and other data for one or more regions to assess trends in air quality and air pollutant emissions since the early 2000s and the corresponding influence on community exposures in various subpopulations, including historically disadvantaged communities.
- To the extent feasible, the Committee is interested in analyzing the contribution of UOGD emissions to the observed trends in air quality and exposure and the effectiveness of evolving policy and industry practice intended to reduce exposures to UOGD emissions.

Between \$1-2M will be available for this RFQ to fund up to 3 studies (maximum study budget \$1M and maximum study duration of 1 year).

RFQ E23-2: Regional Groundwater Modeling to Understand Spills Associated with UOGD

OVERALL OBJECTIVE

- Conduct novel groundwater quality modeling to understand the potential for documented UOGD spills to adversely affect water quality in part or all of the Marcellus region and the corresponding influence on community exposures in various subpopulations, including historically disadvantaged communities.
- Consider the spatial extent of groundwater impacts and community exposures over various timeframes (e.g., contamination that is readily mitigated versus contamination that remains for a lengthy period).
- To the extent feasible, the Committee seeks a model that can be adapted for use in other major oil- and gas-producing regions of the United States.

Between \$250K-\$500K will be available for this RFQ to fund up to 2 studies (maximum study budget \$250K and maximum study duration of 1 year).

Expectations for Applications

Criteria for Evaluating Research Applications

- **Relevance** to the objectives of the RFQ.
- **Scientific merit** with respect to study design, methods, and quality assurance.
- **Experience, competence, and diversity of the research team**, including the principal investigator, scientific staff, and collaborating investigators.
- **Adequacy of facilities**, including access to data sets, equipment, computing services, and other facilities to implement the proposed research.
- **Reasonableness of the proposed budget.**

Research Team

- Principal Investigators
 - Researchers with advanced degrees (PhD, MD, or equivalent)
 - Affiliated with an eligible established research organization that can accept funds to conduct research from external organizations
- We encourage diverse research teams (we adopted the [National Institute of Health definition](#) on populations underrepresented in the scientific workforce).
- If the application includes partnership with a community-based organization, community partners are expected to be included as part of the research team.

Eligible Organizations

- Lead organizations must be an academic or independent, non-profit research institution
- Scientists from non-regulatory government agencies can participate but not lead a study
- For-profit companies can participate as consultants

Investigator Commitments

- HEI issues cost-reimbursement contracts (not grants)
- Follow guidelines for [Quality Assurance / Control](#) and [data sharing](#).
- Report on research progress to HEI's Energy Research Committee (two progress reports and a final webinar presentation)
- Present a poster at HEI's Annual Conference (April 28-30, 2024, Philadelphia, PA).
- Changes to proposed work or budget require Committee approval to ensure that the study stays true to its original goals and the applicable RFQ.
- Prepare a final Investigator Report; as needed, revise in response to comments from HEI's Energy Review Committee.

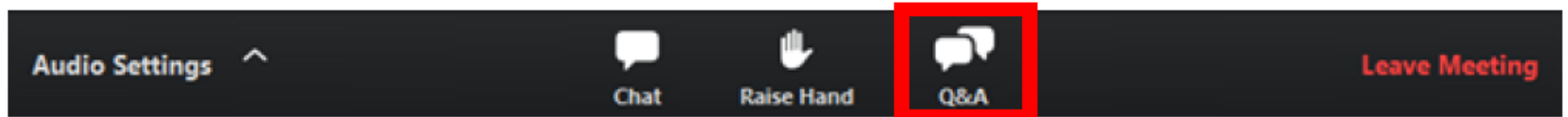
REVIEW HEI ENERGY'S POLICIES BEFORE APPLYING
<https://www.heienergy.org/about/policies>

Important Dates

Date	Action
November 14, 2023	Applications due
December 22, 2023	Anticipated response to applicants
January 31, 2024	Estimated start date for funded study

Question & Answer Period

- Please type your questions about the [RFQ](#) and application process via the Q&A function.



- We will post the webinar Q&A summary to our website soon afterwards.
- For further questions regarding the RFQs, please reach out to Dr. Donna Vorhees at dvorhees@healtheffects.org