



## DATA SCIENCE FELLOW

### Overview

**Short-term Fellowship Position:** Data scientist/researcher

**Project Description:** Working with EPIC (Environmental Policy Innovation Center), identify new or underutilized opportunities for applying data technologies to environmental, health and safety (EH&S) issues in the electric power industry. This research is being conducted on behalf of EPRI (Electric Power Research Institute).

### Background

About EPIC: The Environmental Policy Innovation Center (EPIC) builds policies that deliver spectacular improvement in the speed and scale of conservation. A nonprofit start-up, EPIC is committed to finding and highlighting the best approaches to scaling up environmental conservation quickly. EPIC focuses on clean water, endangered species, environmental markets and the use of data and technology in producing conservation outcomes.

About EPRI: The Electric Power Research Institute (EPRI) is an independent nonprofit organization focused on research and development for the electric power industry in the US and abroad. They focus on areas of electricity generation, delivery, and use in collaboration with the electricity sector, its stakeholders and others to enhance the quality of life by making electric power safe, reliable, affordable, and environmentally responsible.

### Position Description

**The Environmental Policy Innovation Center (EPIC) is seeking a data scientist with strong skills in desktop research, organization and writing to assist on a part-time project of approximately 120 hours, between now and August 31<sup>st</sup>. We are working with the Electric Power Research Institute, a nonprofit focused on research for the electric power industry. We are working together to understand current uses of data tech, data visualization, design science, AI, machine learning and innovative spatial data in environmental programs by the industry. The project involves a literature review on topics of interest to this sector, but also support for the organization of a workshop on application of data science to the industry's environmental opportunities.**

Tasks:

1. *Support of targeted literature review.* EPRI has an established literature review approach for this task and will provide the approach, search terms, and details of a collection mechanism (in spreadsheet form). Support will include conducting a search of combinations of data science search terms and terms unique to EPRI environmental research areas. Search return reference citations and abstracts will be saved. Search returns will be screened with inclusion/exclusion conditions provided by EPRI. Support will be provided to creating a representative annotated bibliography with a sample of papers of relevance to EPRI research.
2. Support for organizing a Workshop to Identify Real-World Application of Data Science to Electric Power Environmental Challenges. The workshop is intended to provide an opportunity to

develop, connect, and leverage technical expertise; and identify and prioritize challenges and opportunities. Support could include revision of agenda, drafting invitation information, or outreach to potential speakers.

3. Work with EPIC staff to assess and summarize the results from interviews within the utility sector on data tech uses and needs.
4. Work with EPIC and EPRI to explain various data technologies of interest.

## Qualifications

### **Required qualifications**

- This role requires prior knowledge of data technology, including satellite imagery, video imagery, hyperspectral imagery, acoustic recordings, sensor-collected data, other “big data,” AI and machine learning.
- Excellent spoken and written communication skills; fluency in English.

### **Preferred qualifications**

- Practical experience in data building data visualizations
- Strong organizational skills
- Experience in workshop organization

## Location

The internship is located in our Washington, D.C. office in Gallery Place/Chinatown. We will consider remote work arrangements for especially well-qualified candidates.

## Fellowship compensation and time commitment

The fellowship stipend is \$6,000. Work to be completed by September 30<sup>th</sup>. Approximately 130 hours of work that can be completed on a flexible schedule.

## Applying

Qualified candidates should send an email to [phiggins@policyinnovation.org](mailto:phiggins@policyinnovation.org) with “Data Science Fellow” in the subject line. Please include a resume and a cover letter (specifying your availability for the internship). You may also provide any supporting documents we should consider in evaluating your candidacy (e.g., data visualizations, reports, presentations, workshop agendas). Thanks for your interest in the fellowship.