



A Statewide University of California Collaboration

UCLA | UC Berkeley | UC Davis

Job Announcement

California Center for Sustainable Communities at UCLA

The California Center for Sustainable Communities is hiring a Senior Database and Research Manager to oversee the expansion of the LA Energy Atlas project to all of Southern California.

The position will start as soon as it is filled. The position is fulltime and in addition to a competitive salary is eligible for all UCLA benefits. The position is based at the UCLA campus.

About the Project

The Energy Atlas will expand the LA Energy Atlas to all of Southern California. The LA Energy Atlas was developed by researchers at the Center for Sustainable Communities (CCSC) at UCLA with the goal of communicating knowledge about energy patterns over space and time to stakeholders, decision makers, and the local community. Researchers collected, processed and analyzed energy and related data from a variety of sources to develop a website featuring energy maps, charts, and data visualization tools. At the foundation of the Atlas is the energy database, where over 500 million records depict service addresses and energy consumption in the County over a five year period. This object-relational database, developed in PostgreSQL, is spatially enabled and includes a rich set of related information including building characteristics, demographics, and administrative boundaries.

The public face of the project is an interactive website where users can view maps, read reports and download reports on energy use across Southern California. More information can be found at the California Center for Sustainable Communities at UCLA website.





A Statewide University of California Collaboration

UCLA | UC Berkeley | UC Davis

Job Description

The Database and Research Manager will take the lead on expanding the LA Energy Atlas to all of Southern California. The job responsibilities include:

- Database Development and Management
- Project Management
- Data Security Oversight
- Data Analysis
- Systems Administration
- Grant Writing and Proposal Development
- Academic Article Writing

He/she will manage a team including a GIS analyst and undergraduate students to ensure that all deadlines are met on time and with excellence. This includes, creating and implementing a plan to expand the energy database from approximately 500M records to 1.5T records, running statistical analysis, writing reports on findings, developing and documenting all methods, overseeing data security policies and procedures and preparing weekly progress reports for the PI. In addition, the Database and Research Manager will assist in writing funding proposals to state and national agencies and private foundations and will co-author academic journal articles.

Skills and Experience

The ideal candidate will possess the following skills and experience:

- An advanced degree (MA or PhD) in public policy, economics, engineering, environmental science or other applicable field with an emphasis on energy. (The exact field of study is less important than training in applied methods and a strong understanding of energy policy).
- At least 5 years professional work experience with increasing levels of responsibility
- Strong knowledge of California energy policy, politics and governance
- Experience working with large datasets (millions of records)
- Experience developing and managing object relational databases and particularly in PostgreSQL
- Experience working with confidential data and implementing data security measures
- Experience managing a team with diverse backgrounds and skills





A Statewide University of California Collaboration

UCLA | UC Berkeley | UC Davis

- Excellent oral and written communications
- Fluency in programming languages, including Python/PHP
- Fluency in standard statistics software packages (e.g. R, STATTA)

Applicants should send a CV/resume and cover letter to Zoe Elizabeth, zelizabeth@ioes.ucla.edu.

Candidates will be considered on a rolling basis as applications are received.

