



## OPEN POSITION ANNOUNCEMENT!

### Data Scientist

Open until filled. Posted 05/14/2024

*San Diego County – hybrid work schedule set by SDCP*

**About the role:** San Diego Community Power (SDCP) is seeking a seasoned Data Scientist to join our growing team of data transformation experts who will be responsible for collecting, organizing, and mining data to build AI and data science to deliver clean energy solutions that help local and global communities. The focus of this role is to deliver predictive and prescriptive algorithms and models using structured and unstructured datasets. The Data Scientist in this role is responsible for statistical analysis, deep learning modeling, data wrangling, mathematics algorithms, computer vision models, visualization of data and outcome, and validations of model performance.

This role will collaborate with agency leaders and staff to understand AI, forecasting and predictive modeling needs. This role will report to the Manager of Data Analytics and IT Services.

### WHO IS SAN DIEGO COMMUNITY POWER?

San Diego Community Power is a community-owned organization that provides affordable clean energy and invests in the community to create an equitable and sustainable future for the San Diego region. We aim to be a global leader, inspiring innovative solutions to climate change by powering our communities with 100% clean affordable energy while prioritizing equity, sustainability, and high-quality jobs. We are a values-led, mission driven organization grounded in Justice/Equity/Diversity/Inclusion (JEDI), Impact, Integrity, Innovation, Servant Leadership, and Togetherness.

Our culture is built on open communication, accountability, and curiosity. We are a growing team whose key premise is trust, collaboration, and connection with each other and the communities we serve. We are responsive and work smart to achieve high goals.

### OUR HISTORY

San Diego Community Power was formed in 2019 as a public, not-for-profit community choice aggregator (CCA) in the San Diego region. We began electric service in 2021 and serve five member agencies: San Diego, Chula Vista, Encinitas, La Mesa and Imperial Beach, County of San Diego, and National City. SDCP was formed to bring local control and customer choice to San Diego while also providing clean and renewable energy at competitive rates. By the end of 2023, SDCP will provide electricity for nearly half the electric load in San Diego Gas and Electric's service territory and will be the second largest CCA in California. For more information, please visit [SDCommunityPower.org](https://SDCommunityPower.org).

### COMMITMENT TO DIVERSITY

At SDCP, we value diversity and are committed to creating an inclusive environment for all employees. We represent a diverse customer base and hope to hire employees that reflect our communities. We provide equal employment opportunities to all applicants for employment and prohibit discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state, or local laws.

## ESSENTIAL DUTIES AND PRIMARY RESPONSIBILITIES

- Serve as lead data scientist and assist in driving data science and AI initiative for the enterprise.
- Collaborate with data analytics, IT and product teams to understand and document needs for predictive and prescriptive models.
- Design and develop innovative statistical and mathematical models to conduct exploratory data analysis.
- Research new modeling techniques and stay current with industry, open-source and academia.
- Develop feature selection, building and optimize classifier using machine learning methods
- Data mining using state of the art methods
- Extending company's data sources with third party sources for comprehensive and holistic information building
- Processing, cleansing and verifying data integrity for analytics and predictions.
- Conduct ad-hoc data analysis and presentations / telling the data story as needed
- Create automated way to detect anomalies and monitor performance.
- Collaborating with other internal teams, data analysts, and other stakeholders to understand and optimize how data can be leveraged to meet business needs.

## MINIMUM KNOWLEDGE, SKILLS AND ABILITIES

- Excellent understanding of machine learning techniques and algorithms, such as k-NN, Naive Bayes, SVM, Decision Forests, etc.
- Advanced coursework in machine learning and programming.
- Experience using data visualization tools.
- Experience with data querying languages, and statistical or mathematical software.
- Proficient in writing algorithms, and knowing when to apply them.
- Excellent understanding of statistics, multivariable calculus, and linear algebra.
- Good scripting and programming skills using Python
- Outstanding communication skills.
- Create algorithms and data models to forecast outcomes

## PREFERRED KNOWLEDGE, SKILLS AND ABILITIES

- Experience in the energy sector and/or supporting the implementation of programs funded by California state agencies (e.g., California Public Utilities Commission, California Energy Commission, California Air Resources Board).
- Ability to strongly represent the organization in various professional engagement settings from local to national convenings (conferences, workshops, executive meetings, etc.).

## PREFERRED QUALIFICATIONS, EDUCATION AND EXPERIENCE

Minimum of five (5) years of professional experience in applied mathematics or statistics, preferably in the energy industry with a graduate degree or PhD in Computer Science, data system or data mining, power systems or another similar field. The candidate should also have experience using the following software/tools:

- Experience with Microsoft suite of software – Email Exchange Server, 365, Teams, SharePoint.
- Experience with AWS, Azure and Google Cloud services.
- Experience with networking, firewall and VoIP.
- Experience with agile methodologies.

## WORK ENVIRONMENT & CONDITIONS

Prolonged periods sitting at a desk and working on a computer. The position requires occasional carrying, lifting and/or moving objects up to 25 pounds. Occasional local travel required and reliable transportation to be able to attend SDCP events, meetings, and workshops as needed is expected.

At SDCP we work in the communities we serve and in the office. SDCP works to ensure a safe and

healthy workplace for employees and in our communities. SDCP requires employees to be fully vaccinated for COVID-19.

SDCP is an agency required to adopt and promulgate a Conflict-of-Interest Code (“COI”). The COI code requires employees in designated positions, including those identified under the interim disclosure process to file a Statement of Economic Interests (Form 700) on an annual basis. A Successful candidate accepting this position may be required to file Conflict of Interest forms subject to the regulations of the Fair Political Practices Commission.

*This job description may not be inclusive of all assigned duties, responsibilities, or aspects of the job described, and may be amended at the discretion of SDCP as needed.*

**Compensation:**

**Salary Range:** The position salary range is: **\$110,400 - \$135,800; with exact compensation to be determined by SDCP, depending upon experience.**

**Benefits:** Standard benefits package including but not limited to:

**Insurance:** SDCP offers group health benefits, including medical, vision, and dental insurance, for eligible FT employees. SDCP pays 100% of health group benefits, including medical, vision, and dental insurance premiums for employees and dependents. Also provided is a \$100,000 Life & AD&D policy, STD and LTD coverage that is 100% paid by SDCP.

**Retirement:** SDCP offers a 457(b) plan for employee contributions and contributes 10% of eligible compensation to the employee’s Money Purchase Plan.

**Paid Time Off:** 11 holidays per year + paid winter holiday (*between 12/24-12/31*), 160 hours of accrued paid time off per year (*increases with time in service*), and 96 hours per year of accrued paid sick leave.

**How To Apply**

Applicants must submit their resume, cover letter, and references using the “Apply today” functionality on our Career Opportunities webpage at:

[SDCommunityPower.org/about/career-opportunities](https://sdcommunitypower.org/about/career-opportunities)

**SAN DIEGO COMMUNITY POWER IS AN EQUAL EMPLOYMENT OPPORTUNITY (EEO) AND AMERICAN DISABILITES ACT (ADA) EMPLOYER**